


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING				FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>		
APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER BONANZA 1023-6E3AS		
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT NATURAL BUTTES		
4. TYPE OF WELL Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>				5. UNIT or COMMUNITIZATION AGREEMENT NAME		
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.				7. OPERATOR PHONE 720 929-6007		
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217				9. OPERATOR E-MAIL Kathy.SchneebeckDulnoan@anadarko.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU38419		11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')				14. SURFACE OWNER PHONE (if box 12 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>		19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1870 FSL 1712 FWL	NESW	6	10.0 S	23.0 E	S
Top of Uppermost Producing Zone	2286 FNL 507 FWL	SWNW	6	10.0 S	23.0 E	S
At Total Depth	2286 FNL 507 FWL	SWNW	6	10.0 S	23.0 E	S
21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 507		23. NUMBER OF ACRES IN DRILLING UNIT 516		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 290		26. PROPOSED DEPTH MD: 8886 TVD: 8613		
27. ELEVATION - GROUND LEVEL 5221		28. BOND NUMBER WYB000291		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496		
ATTACHMENTS						
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES						
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
NAME Gina Becker		TITLE Regulatory Analyst II		PHONE 720 929-6086		
SIGNATURE		DATE 01/04/2011		EMAIL gina.becker@anadarko.com		
API NUMBER ASSIGNED 43047514640000		APPROVAL  Permit Manager				

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	4.5	0	8886		
Pipe	Grade	Length	Weight			
	Grade I-80 Buttress	0	11.6			

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	11	8.625	0	2140		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	0	28.0			

Kerr-McGee Oil & Gas Onshore. L.P.**BONANZA 1023-6E3AS**

Surface:	1870 FSL / 1712 FWL	NESW	Lot
BHL:	2286 FNL / 507 FWL	SWNW	Lot 5

Section 6 T10S R23E

Unitah, Utah
Mineral Lease: UTU-38419

ONSHORE ORDER NO. 1**DRILLING PROGRAM**

1. & 2. **Estimated Tops of Important Geologic Markers:**
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Formation</u>	<u>Depth</u>	<u>Resource</u>
Uinta	0 - Surface	
Green River	1260	
Birds Nest	1524	Water
Mahogany	1887	Water
Wasatch	4291	Gas
Mesaverde	6461	Gas
MVU2	7416	Gas
MVL1	8006	Gas
TVD	8613	
MD	8886	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program

6. **Evaluation Program:**

Please refer to the attached Drilling Program

7. **Abnormal Conditions:**

Maximum anticipated bottom hole pressure calculated at 8,613' TVD, approximately equals 5,277 psi (calculated at 0.61 psi/foot).

Maximum anticipated surface pressure equals approximately 3,382 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please refer to the attached Drilling Program.

Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 11 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 11 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 8-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and

on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Variance for FIT Requirements

KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). The air rig operation utilizes a 5M BOPE when drilling. This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

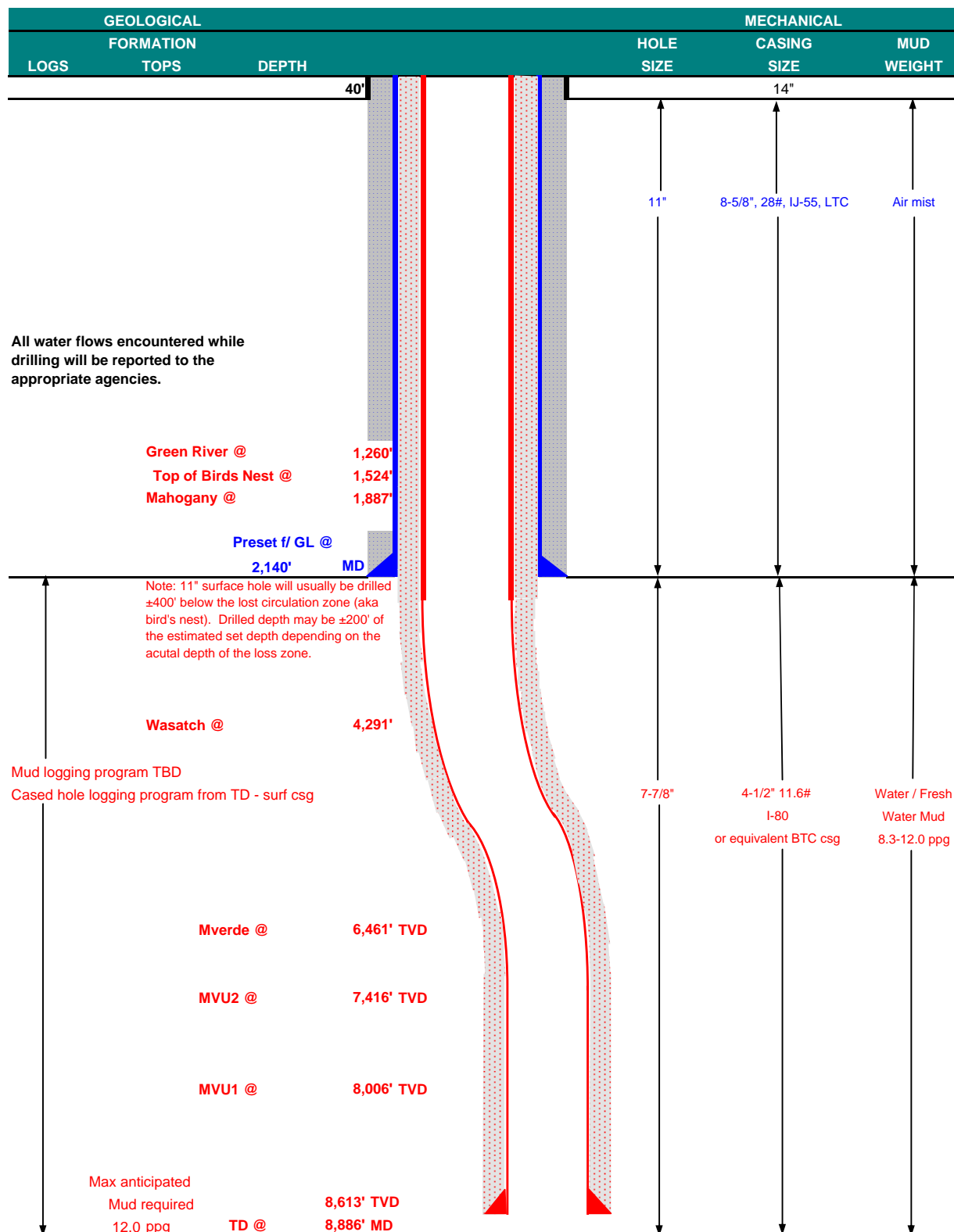
10. Other Information:

Please refer to the attached Drilling Program.



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP					DATE	December 29, 2010		
WELL NAME	BONANZA 1023-6E3AS					TD	8,613'	TVD	8,886' MD
FIELD	Natural Buttes		COUNTY	Uintah	STATE	Utah	FINISHED ELEVATION		5,219'
SURFACE LOCATION	NESW	1870 FSL	1712 FWL	Sec 6	T 10S	R 23E	Lot 3		
	Latitude: 39.975806		Longitude: -109.372704		NAD 83				
BTM HOLE LOCATION	SWNW	2286 FNL	507 FWL	Sec 6	T 10S	R 23E	Lot 3		
	Latitude: 39.978960		Longitude: -109.377001		NAD 83				
OBJECTIVE ZONE(S)	Wasatch/Mesaverde								
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept.								





KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3,390	1,880	348,000
SURFACE	8-5/8"	0 to 2,140	28.00	IJ-55	LTC	0.94	1.88	5.75
						7,780	6,350	278,000
PRODUCTION	4-1/2"	0 to 8,886	11.60	I-80	BTC	2.24	1.18	3.09

*Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above.

D.F. = 2.51

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 12.0 ppg)

0.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3,382 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

(Burst Assumptions: TD = 12.0 ppg)

0.61 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MABHP 5,277 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500'	Premium cmt + 2% CaCl	180	60%	15.80	1.15
			+ 0.25 pps flocele				
Option 1							
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt	270	0%	15.80	1.15
			+ 2% CaCl + 0.25 pps flocele				
SURFACE			NOTE: If well will circulate water to surface, option 2 will be utilized				
Option 2	LEAD	1,640'	65/35 Poz + 6% Gel + 10 pps gilsonite	150	35%	11.00	3.82
			+ 0.25 pps Flocele + 3% salt BWOW				
	TAIL	500'	Premium cmt + 2% CaCl	150	35%	15.80	1.15
			+ 0.25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION	LEAD	3,786'	Premium Lite II +0.25 pps	270	10%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	5,100'	50/50 Poz/G + 10% salt + 2% gel	980	10%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. No centralizers will be used.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Emile Goodwin / Perry Daughtrey

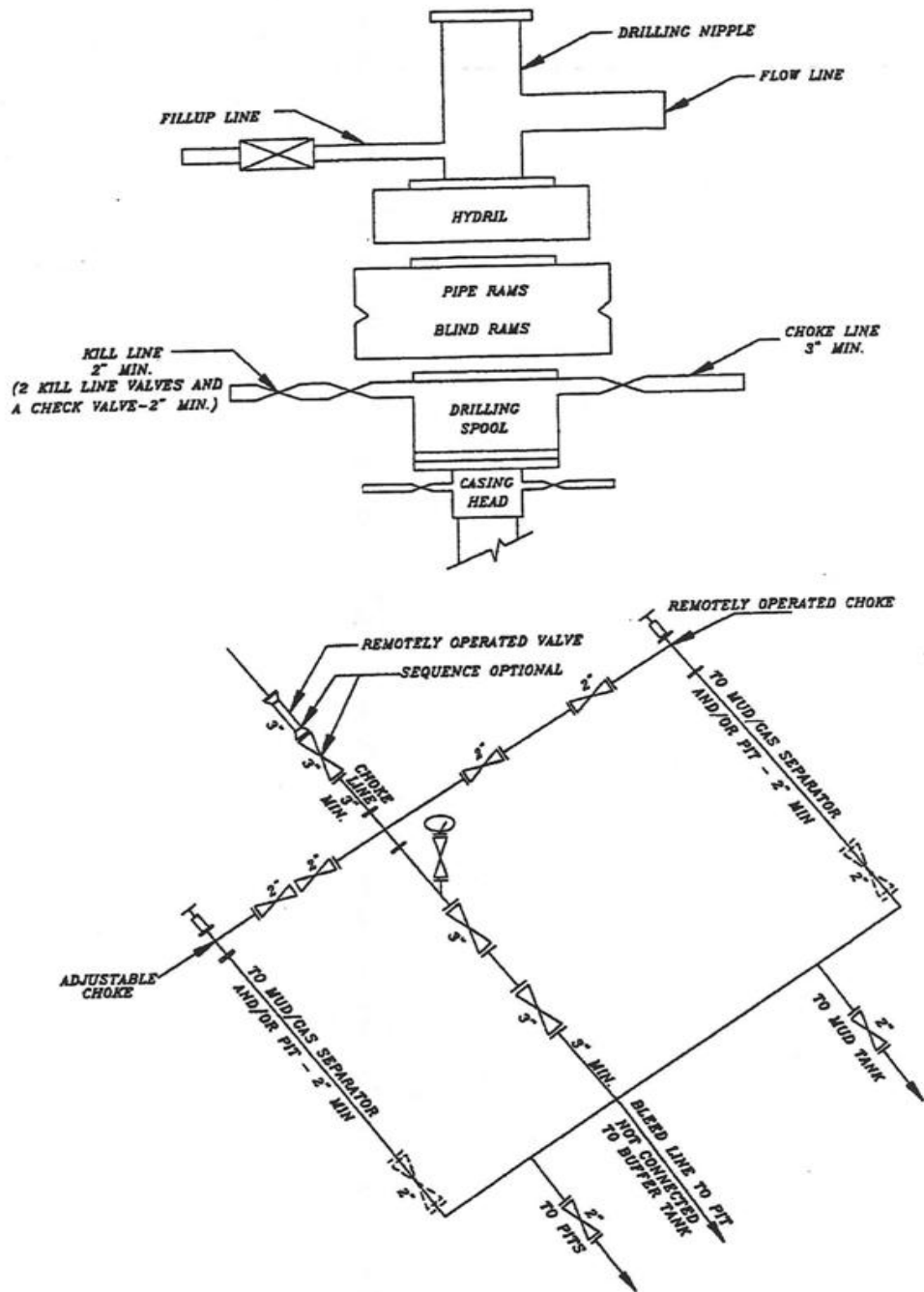
DATE:

DRILLING SUPERINTENDENT:

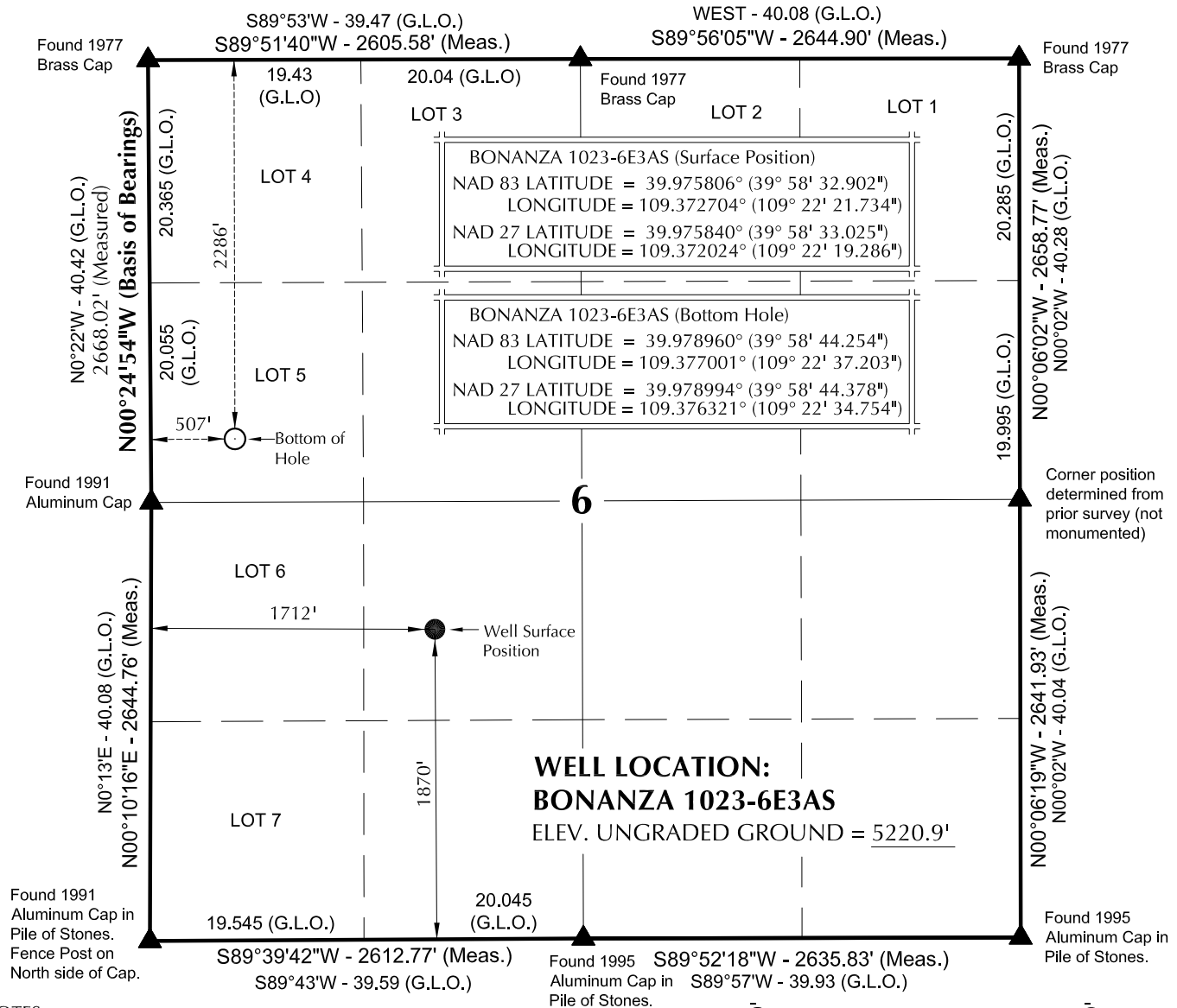
John Merkel / Lovel Young

DATE:

EXHIBIT A
BONANZA 1023-6E3AS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

T10S, R23E, S.L.B.&M.**NOTES:**

▲ = Section Corners Located

- Well footages are measured at right angles to the Section Lines.
- G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
- The Bottom of hole bears N46°24'24"W 1664.75' from the Surface Position.
- Bearings are based on Global Positioning Satellite observations.
- Basis of elevation is Tri-Sta "Two Water" located in the NW $\frac{1}{4}$ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

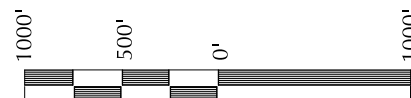
Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD: BONANZA 1023-6K

BONANZA 1023-6E3AS
WELL PLAT

2286' FNL, 507' FWL (Bottom Hole)
LOT 5 OF SECTION 6, T10S, R23E,
S.L.B.&M., UTAH COUNTY, UTAH.

609
CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182



SCALE

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL LAND SURVEYOR
No. 6028691
JOHN R. SLAUGH
STATE OF UTAH

TIMBERLINE

(435) 789-1365

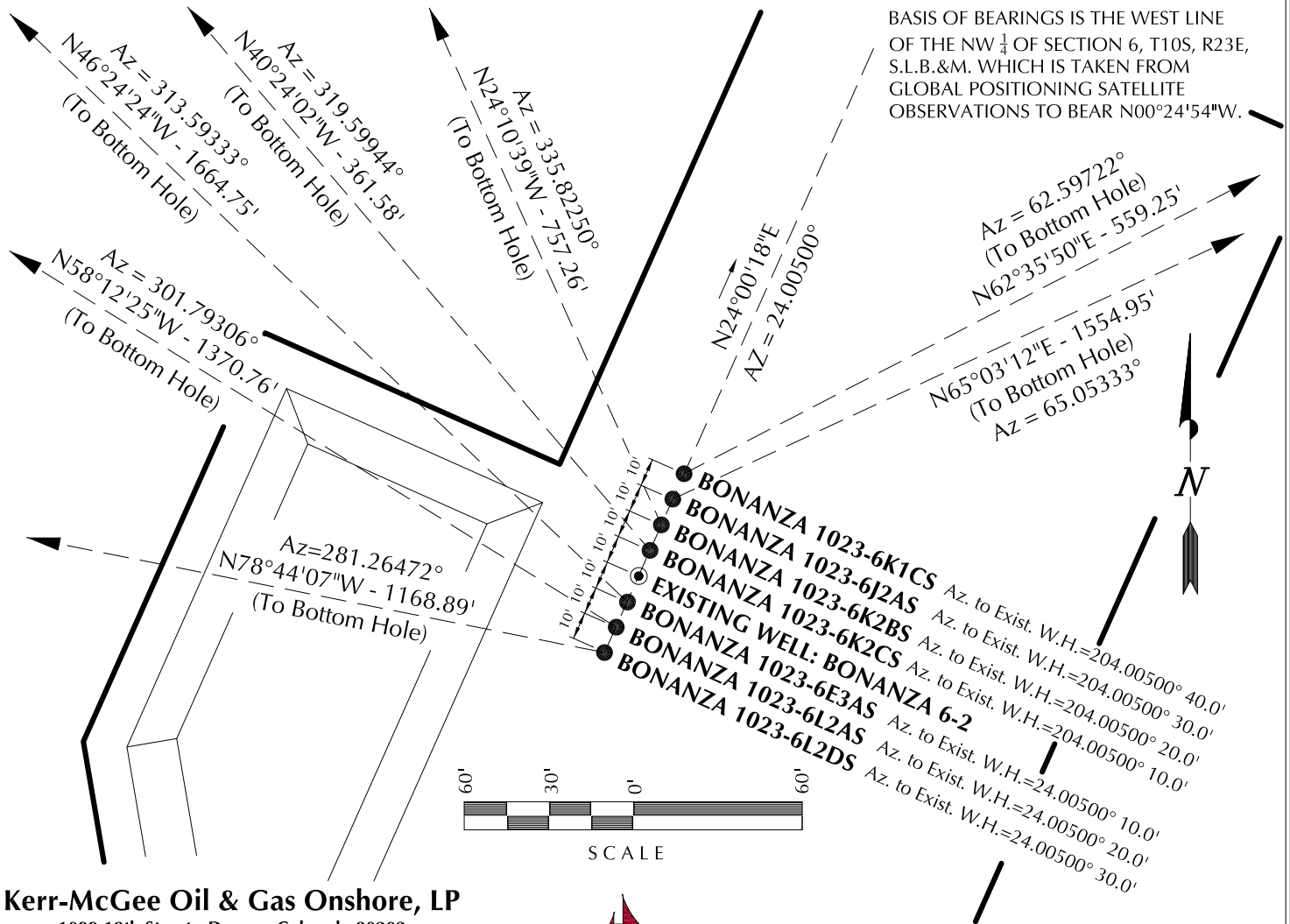
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 03-08-10	SURVEYED BY: D.J.S.	SHEET NO:
DATE DRAWN: 03-10-10	DRAWN BY: K.H.G.	5
SCALE: 1" = 1000'	Date Last Revised: 06-03-10 E.M.S.	5 OF 19

WELL NAME	SURFACE POSITION					BOTTOM HOLE				
	NAD83		NAD27		FOOTAGES	NAD83		NAD27		FOOTAGES
	LATITUDE	LONGITUDE	LATITUDE	LONGITUDE		LATITUDE	LONGITUDE	LATITUDE	LONGITUDE	
BONANZA 1023-6K1CS	39°58'33.354"	109°22'21.473"	39°58'33.477"	109°22'19.026"	1915' FSL	39°58'35.892"	109°22'15.094"	39°58'36.015"	109°22'12.647"	2170' FSL
BONANZA 1023-6J2AS	39.975932°	109.372632°	39.975966°	109.371952°	1732' FWL	39.976637°	109.370859°	39.976671°	109.370180°	2228' FWL
BONANZA 1023-6J2AS	39°58'33.264"	109°22'21.526"	39°58'33.387"	109°22'19.078"	1907' FSL	39°58'39.729"	109°22'03.411"	39°58'39.852"	109°22'00.964"	2556' FSL
BONANZA 1023-6J2AS	39.975907°	109.372646°	39.975941°	109.371966°	1728' FWL	39.977703°	109.367614°	39.977737°	109.366935°	2100' FEL
BONANZA 1023-6K2BS	39°58'33.173"	109°22'21.578"	39°58'33.297"	109°22'19.130"	1897' FSL	39°58'40.002"	109°22'25.552"	39°58'40.125"	109°22'23.104"	2590' FSL
BONANZA 1023-6K2BS	39.975882°	109.372661°	39.975916°	109.371981°	1724' FWL	39.977778°	109.373764°	39.977813°	109.373084°	1412' FWL
BONANZA 1023-6K2CS	39°58'33.083"	109°22'21.630"	39°58'33.207"	109°22'19.183"	1888' FSL	39°58'35.806"	109°22'24.636"	39°58'35.930"	109°22'22.188"	2165' FSL
BONANZA 1023-6K2CS	39.975857°	109.372675°	39.975891°	109.371995°	1720' FWL	39.976613°	109.373510°	39.976647°	109.372830°	1485' FWL
BONANZA 1023-6E3AS	39°58'32.902"	109°22'21.734"	39°58'33.025"	109°22'19.286"	1870' FSL	39°58'44.254"	109°22'37.203"	39°58'44.378"	109°22'34.754"	2286' FNL
BONANZA 1023-6E3AS	39.975806°	109.372704°	39.975840°	109.372024°	1712' FSL	39.978960°	109.377001°	39.978994°	109.376321°	507' FWL
BONANZA 1023-6L2AS	39°58'32.813"	109°22'21.785"	39°58'32.936"	109°22'19.337"	1861' FSL	39°58'39.960"	109°22'36.738"	39°58'40.083"	109°22'34.289"	2590' FSL
BONANZA 1023-6L2AS	39.975781°	109.372718°	39.975816°	109.372038°	1708' FWL	39.977767°	109.376872°	39.977801°	109.376192°	541' FWL
BONANZA 1023-6L2DS	39°58'32.723"	109°22'21.839"	39°58'32.847"	109°22'19.392"	1852' FSL	39°58'34.991"	109°22'36.558"	39°58'35.114"	109°22'34.110"	2087' FSL
BONANZA 1023-6L2DS	39.975757°	109.372733°	39.975791°	109.372053°	1704' FWL	39.976386°	109.376822°	39.976421°	109.376142°	557' FWL
BONANZA 6-2	39°58'32.993"	109°22'21.682"	39°58'33.116"	109°22'19.234"	1879' FSL					
BONANZA 6-2	39.975831°	109.372689°	39.975866°	109.372010°	1716' FWL					

RELATIVE COORDINATES - From Surface Position to Bottom Hole

WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST
BONANZA 1023-6K1CS	257.4'	496.5'	BONANZA 1023-6J2AS	655.8'	1409.9'	BONANZA 1023-6K2BS	690.8'	-310.1'	BONANZA 1023-6K2CS	275.4'	-234.4'
WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST	WELL NAME	NORTH	EAST			
BONANZA 1023-6E3AS	1147.9'	-1205.7'	BONANZA 1023-6L2AS	722.2'	-1165.1'	BONANZA 1023-6L2DS	228.3'	-1146.4'			



Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-6K**WELL PAD INTERFERENCE PLAT**

WELLS - BONANZA 1023-6K1CS, BONANZA 1023-6J2AS,
BONANZA 1023-6K2BS, BONANZA 1023-6K2CS,
BONANZA 1023-6E3AS, BONANZA 1023-6L2AS &
BONANZA 1023-6L2DS
LOCATED IN SECTION 6, T10S, R23E,
S.L.B.&M., UTAH COUNTY, UTAH.



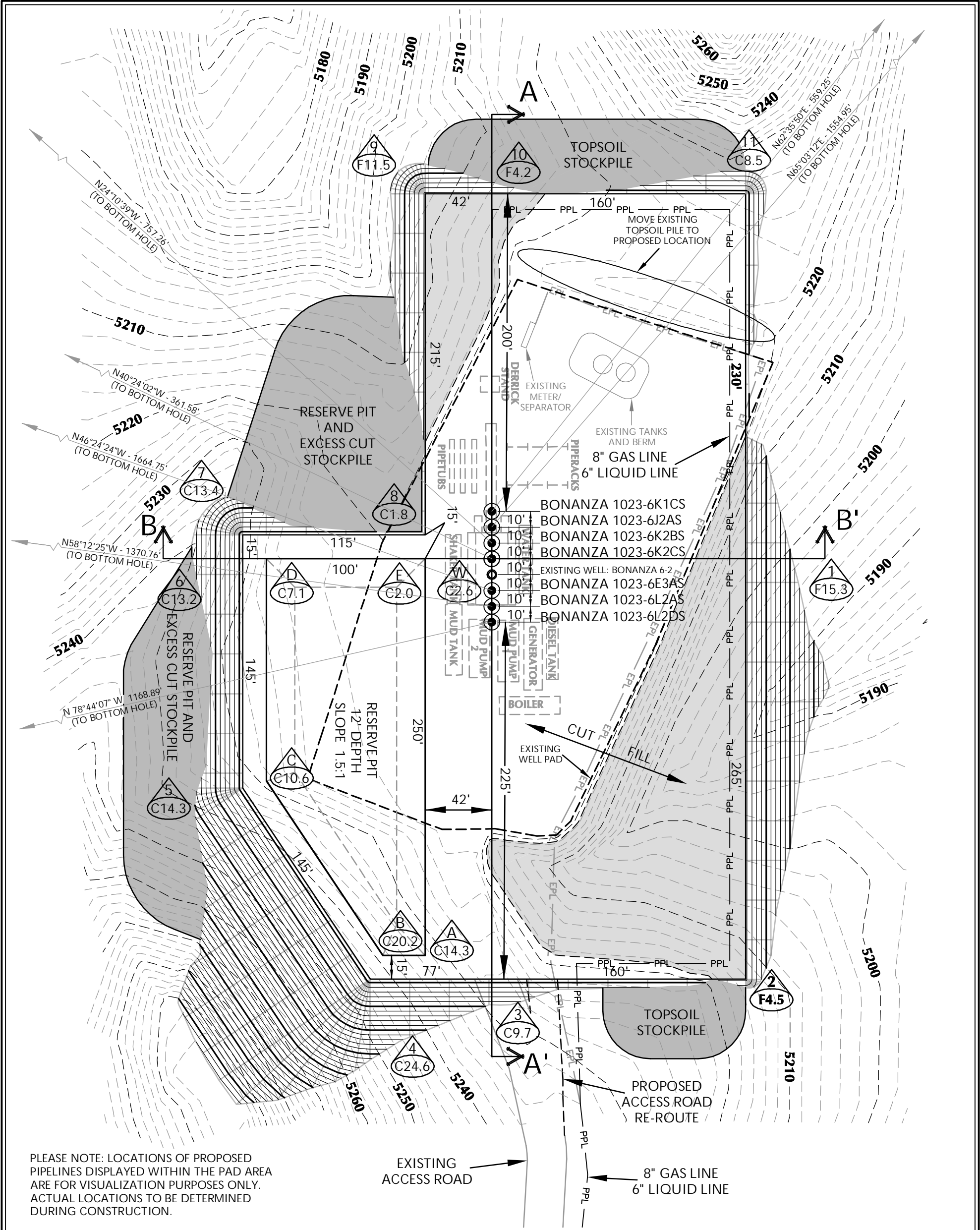
CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 03-08-10	SURVEYED BY: D.J.S.	SHEET NO: 8 8 OF 19
DATE DRAWN: 03-10-10	DRAWN BY: K.H.G.	
SCALE: 1" = 60'	Date Last Revised: 06-03-10 E.M.S.	



PLEASE NOTE: LOCATIONS OF PROPOSED PIPELINES DISPLAYED WITHIN THE PAD AREA ARE FOR VISUALIZATION PURPOSES ONLY. ACTUAL LOCATIONS TO BE DETERMINED DURING CONSTRUCTION.

WELL PAD - BONANZA 1023-6K DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 5221.2'
FINISHED GRADE ELEVATION = 5218.6'
CUT SLOPES = 1.5:1
FILL SLOPES = 1.5:1
TOTAL WELL PAD AREA = 3.84 ACRES
TOTAL DAMAGE AREA = 6.18 ACRES
SHRINKAGE FACTOR = 1.10
SWELL FACTOR = 1.00

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-6K

WELL PAD - LOCATION LAYOUT
BONANZA 1023-6K1CS, BONANZA 1023-6J2AS,
BONANZA 1023-6K2BS, BONANZA 1023-6K2CS,
BONANZA 1023-6E3AS, BONANZA 1023-6L2AS &
BONANZA 1023-6L2DS
LOCATED IN SECTION 6, T10S, R23E,
S.L.B.&M., UINTAH COUNTY, UTAH



CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

WELL PAD QUANTITIES

TOTAL CUT FOR WELL PAD = 20,745 C.Y.
TOTAL FILL FOR WELL PAD = 18,389 C.Y.
TOPSOIL @ 6" DEPTH = 2,012 C.Y.
EXCESS MATERIAL = 2,356 C.Y.

RESERVE PIT QUANTITIES

TOTAL CUT FOR RESERVE PIT
+/- 6,910 CY
RESERVE PIT CAPACITY (2' OF FREEBOARD)
+/- 26,100 BARRELS

TIMBERLINE
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

(435) 789-1365

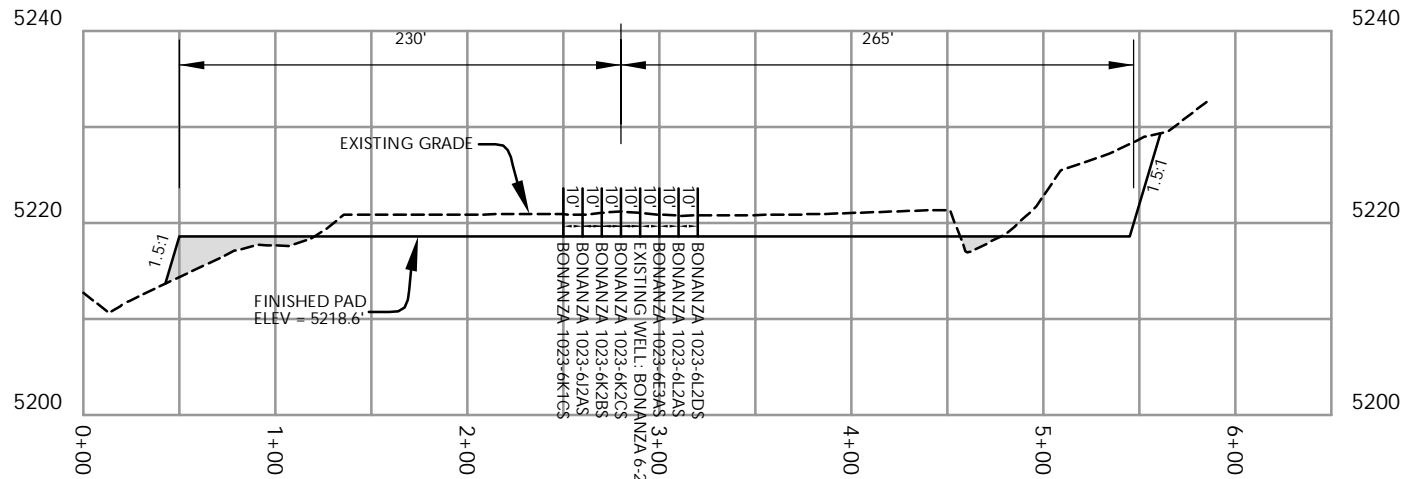
WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PROPOSED BOTTOM HOLE LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)
- PPL PROPOSED PIPELINE
- EPL EXISTING PIPELINE

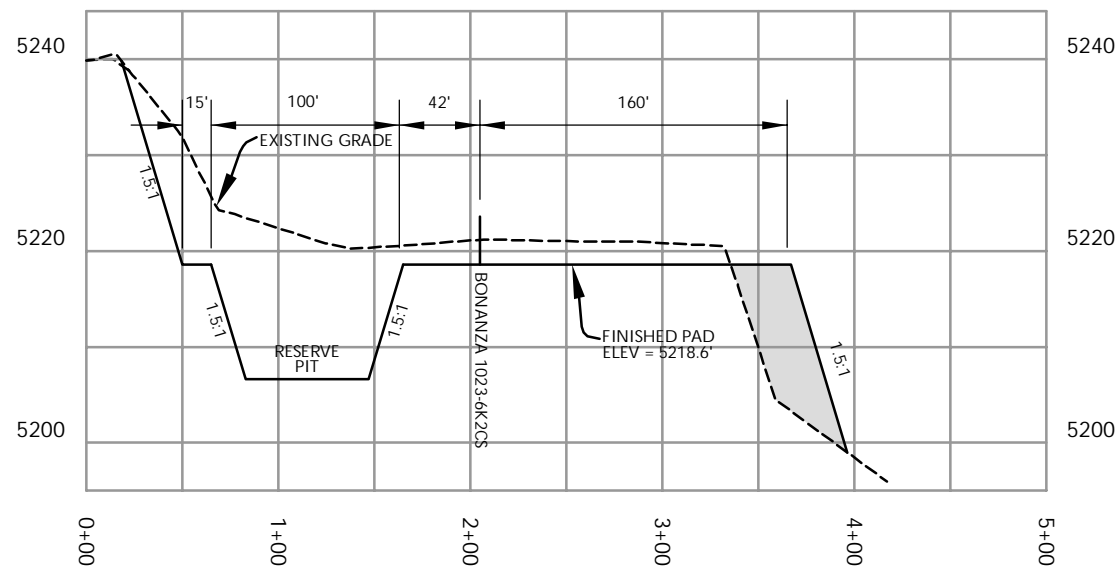


HORIZONTAL 0 30 60 1" = 60'
2' CONTOURS

Scale: 1"=60' Date: 4/7/10 SHEET NO:
REVISED: JID 8/6/10 9 9 OF 19



CROSS SECTION A-A'



CROSS SECTION B-B'

NOTE: CROSS SECTION B-B' DEPICTS
MAXIMUM RESERVE PIT DEPTH.

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-6K

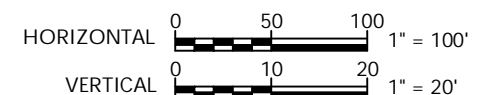
WELL PAD - CROSS SECTIONS
BONANZA 1023-6K1CS, BONANZA 1023-6J2AS,
BONANZA 1023-6K2BS, BONANZA 1023-6K2CS,
BONANZA 1023-6E3AS, BONANZA 1023-6L2AS &
BONANZA 1023-6L2DS
LOCATED IN SECTION 6, T10S, R23E,
S.L.B.&M., UTAH COUNTY, UTAH



CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

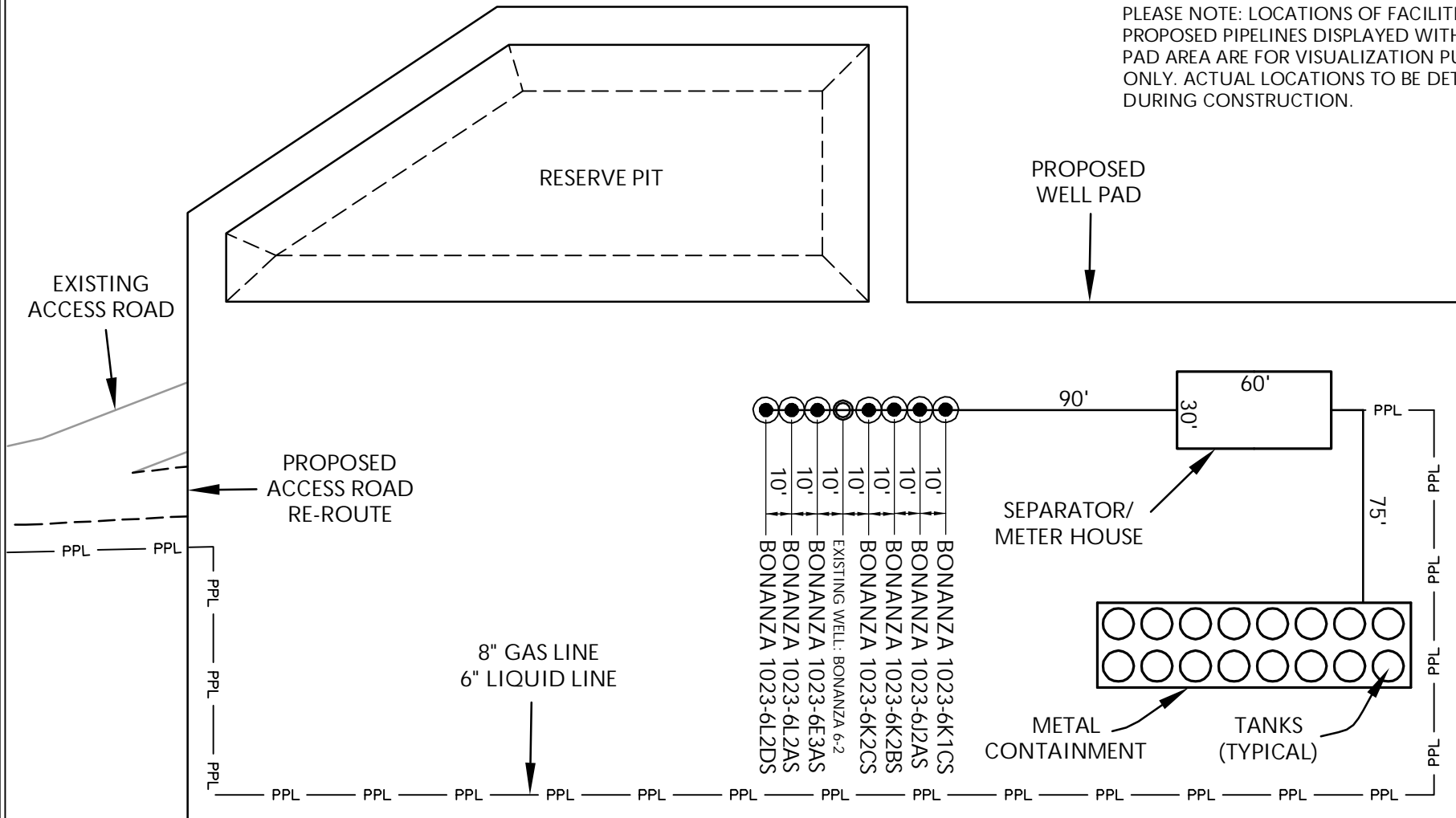
TIMBERLINE
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

(435) 789-1365



Scale: 1"=100'	Date: 4/7/10	SHEET NO:
REVISED:	JID 8/6/10	10 10 OF 19

PLEASE NOTE: LOCATIONS OF FACILITIES AND PROPOSED PIPELINES DISPLAYED WITHIN THE PAD AREA ARE FOR VISUALIZATION PURPOSES ONLY. ACTUAL LOCATIONS TO BE DETERMINED DURING CONSTRUCTION.



Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-6K

WELL PAD - FACILITIES DIAGRAM
BONANZA 1023-6K1CS, BONANZA 1023-6J2AS,
BONANZA 1023-6K2BS, BONANZA 1023-6K2CS,
BONANZA 1023-6E3AS, BONANZA 1023-6L2AS &
BONANZA 1023-6L2DS
LOCATED IN SECTION 6, T10S, R23E,
S.L.B.&M., UINAH COUNTY, UTAH



CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PPL — PROPOSED PIPELINE
- EPL — EXISTING PIPELINE



HORIZONTAL 0 30' 60' 1" = 60'

TIMBERLINE
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

(435) 789-1365

Scale: 1"=60'

Date: 4/7/10

SHEET NO:

REVISED:

JID
8/6/10

11

11 OF 19

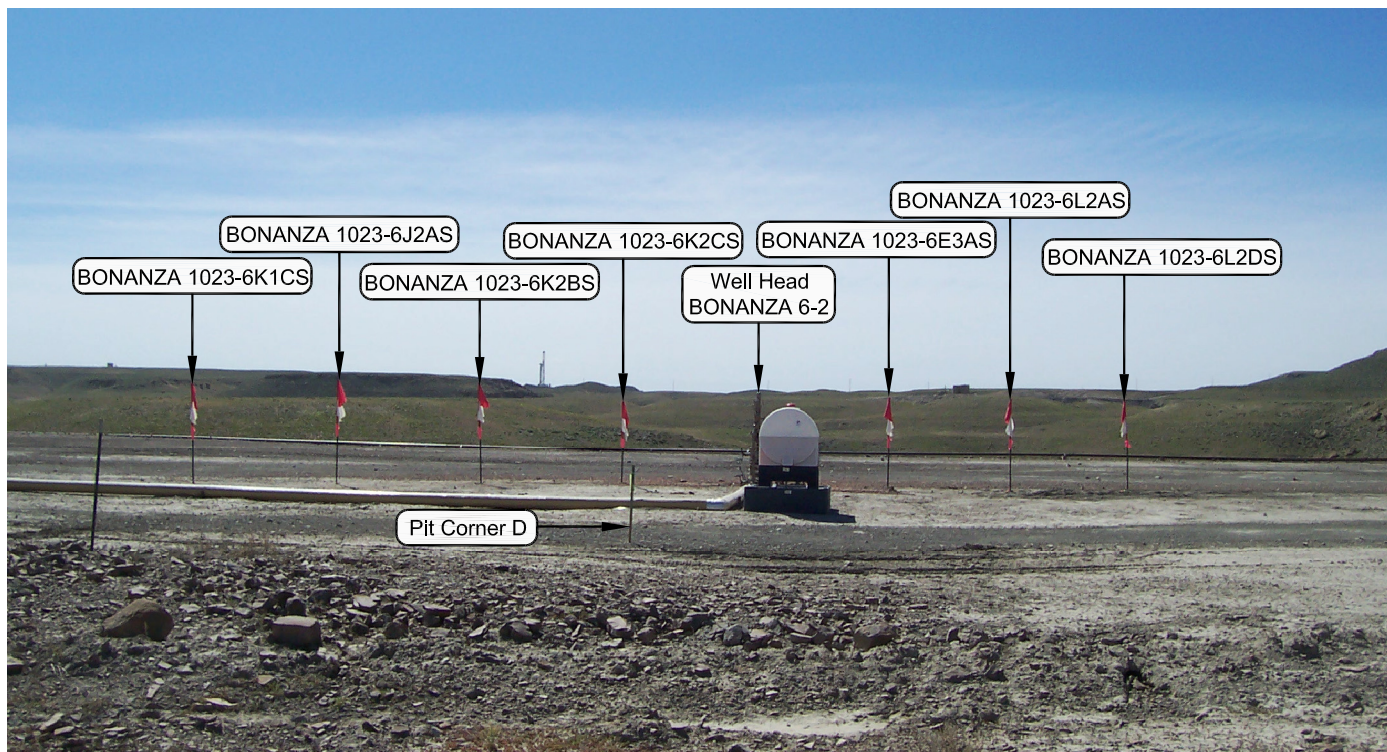


PHOTO VIEW: FROM PIT CORNER D TO LOCATION STAKES

CAMERA ANGLE: SOUTHEASTERLY



PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHEASTERLY

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-6K

LOCATION PHOTOS
BONANZA 1023-6K1CS, BONANZA 1023-6J2AS,
BONANZA 1023-6K2BS, BONANZA 1023-6K2CS,
BONANZA 1023-6E3AS, BONANZA 1023-6L2AS &
BONANZA 1023-6L2DS
LOCATED IN SECTION 6, T10S, R23E,
S.L.B.&M., UINTAH COUNTY, UTAH.



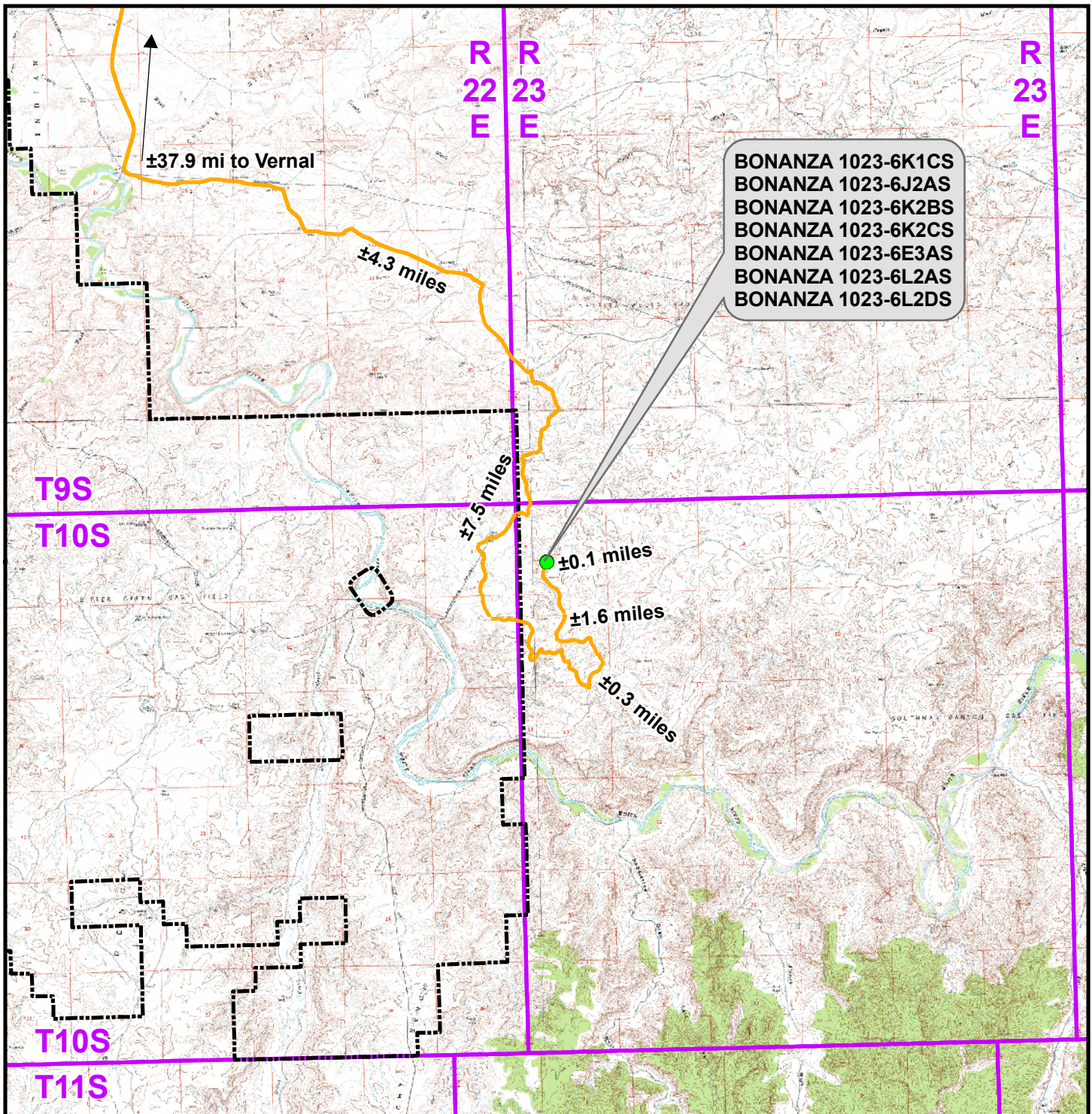
CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE PHOTOS TAKEN: 03-08-10	PHOTOS TAKEN BY: D.J.S.	SHEET NO: 12 12 OF 19
DATE DRAWN: 03-10-10	DRAWN BY: K.H.G.	
Date Last Revised: 06-03-10 E.M.S.		



Legend

- Proposed Well Location
- Natural Buttes Unit Boundary
- Access Route - Proposed

Distance From Well Pad - BONANZA 1023-6K To Unit Boundary: $\pm 1,704$ ft

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-6K

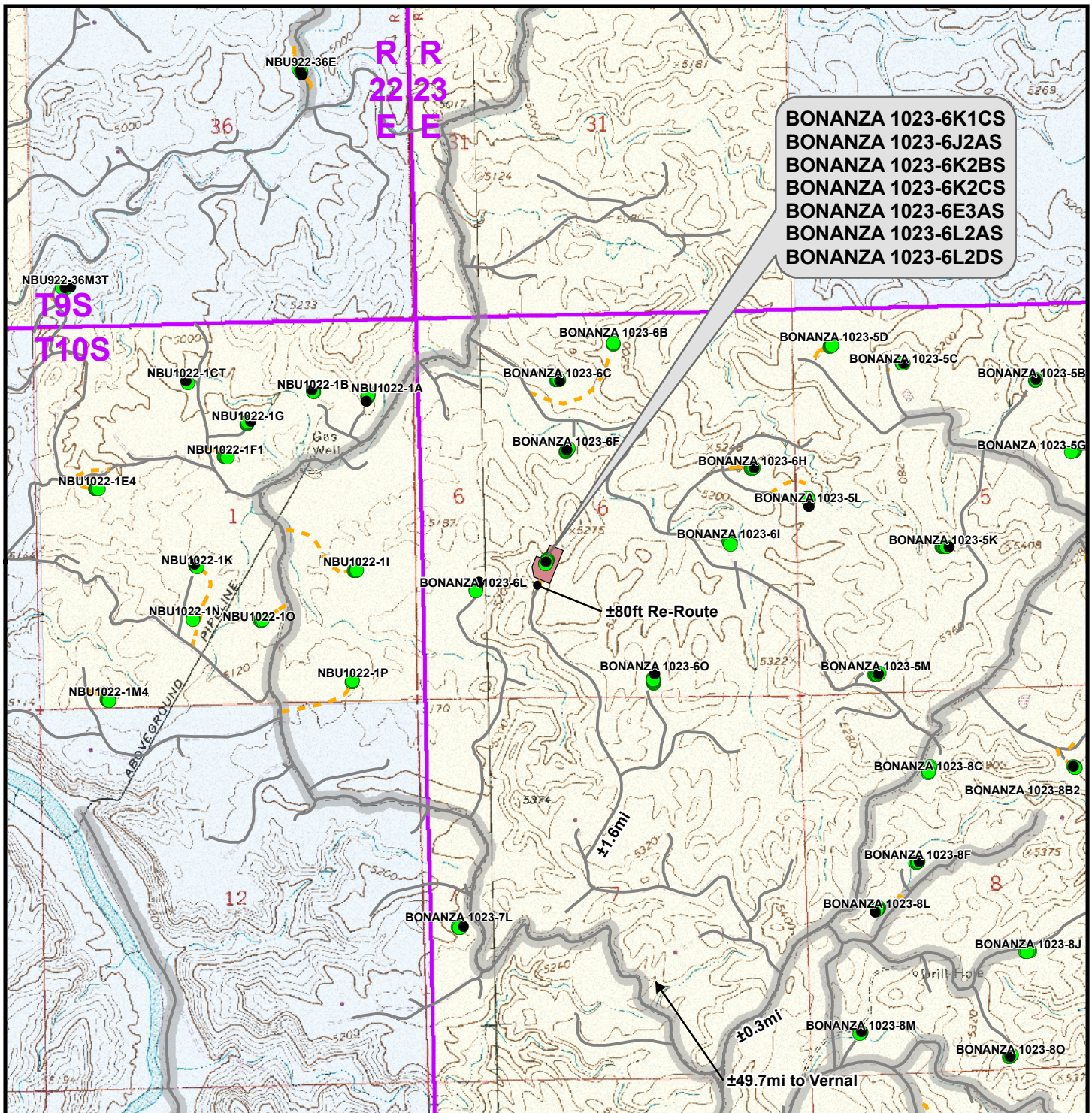
TOPO A
BONANZA 1023-6K1CS, BONANZA 1023-6J2AS,
BONANZA 1023-6K2BS, BONANZA 1023-6K2CS,
BONANZA 1023-6E3AS, BONANZA 1023-6L2AS &
BONANZA 1023-6L2DS
LOCATED IN SECTION 6, T10S, R23E
S.L.B.&M., UTAH COUNTY, UTAH

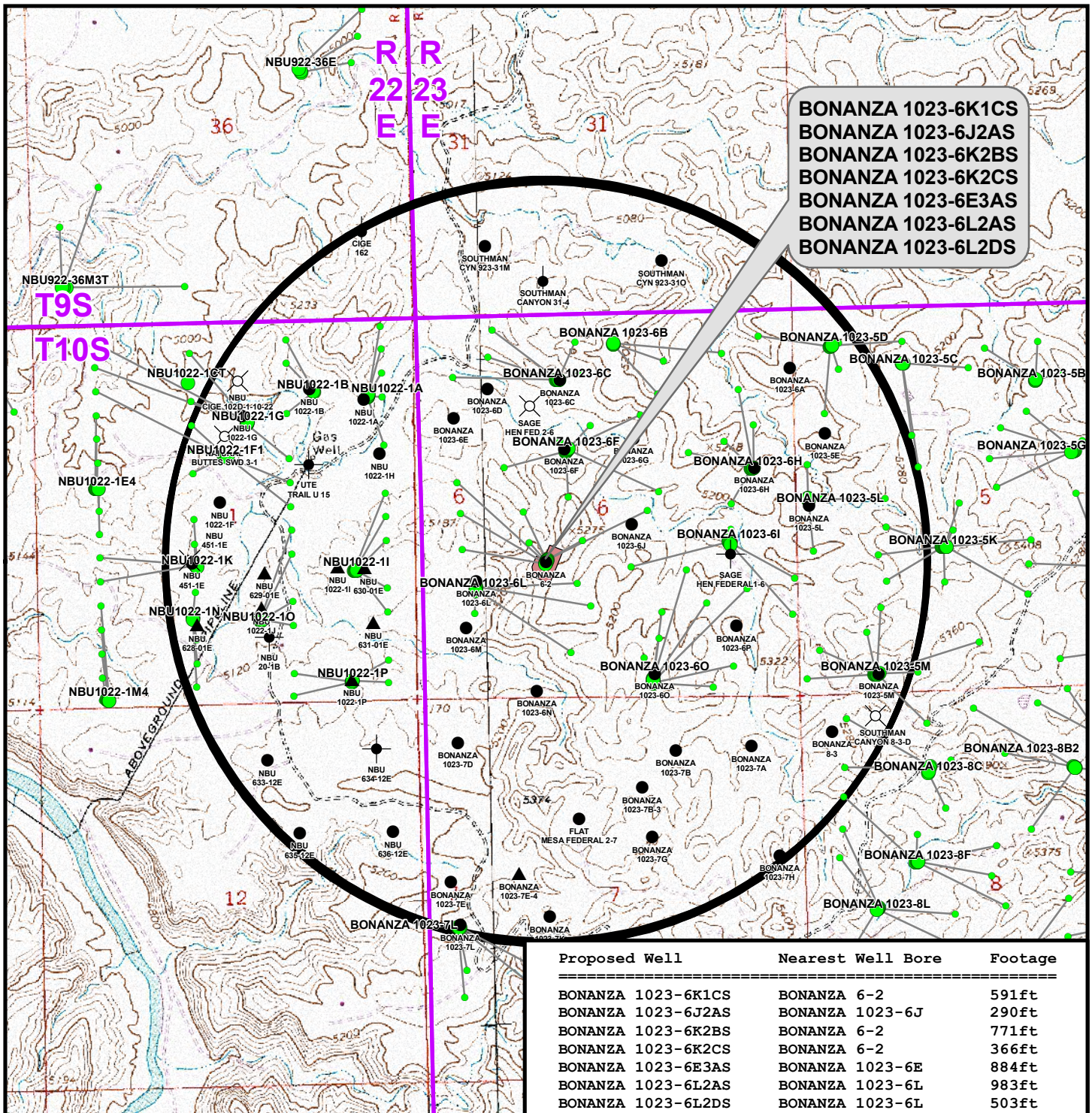


Scale: 1:100,000	NAD83 USP Central
Drawn: TL	Date: 14 Apr 2010
Revised: JID	Date: 6 Aug 2010

Sheet No:

13 13 of 19





Proposed Well	Nearest Well Bore	Footage
BONANZA 1023-6K1CS	BONANZA 6-2	591ft
BONANZA 1023-6J2AS	BONANZA 1023-6J	290ft
BONANZA 1023-6K2BS	BONANZA 6-2	771ft
BONANZA 1023-6K2CS	BONANZA 6-2	366ft
BONANZA 1023-6E3AS	BONANZA 1023-6E	884ft
BONANZA 1023-6L2AS	BONANZA 1023-6L	983ft
BONANZA 1023-6L2DS	BONANZA 1023-6L	503ft

Legend

- Well - Proposed
- Bottom Hole - Proposed
- Well Path
- Well Pad
- Well - 1 Mile Radius

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-6K

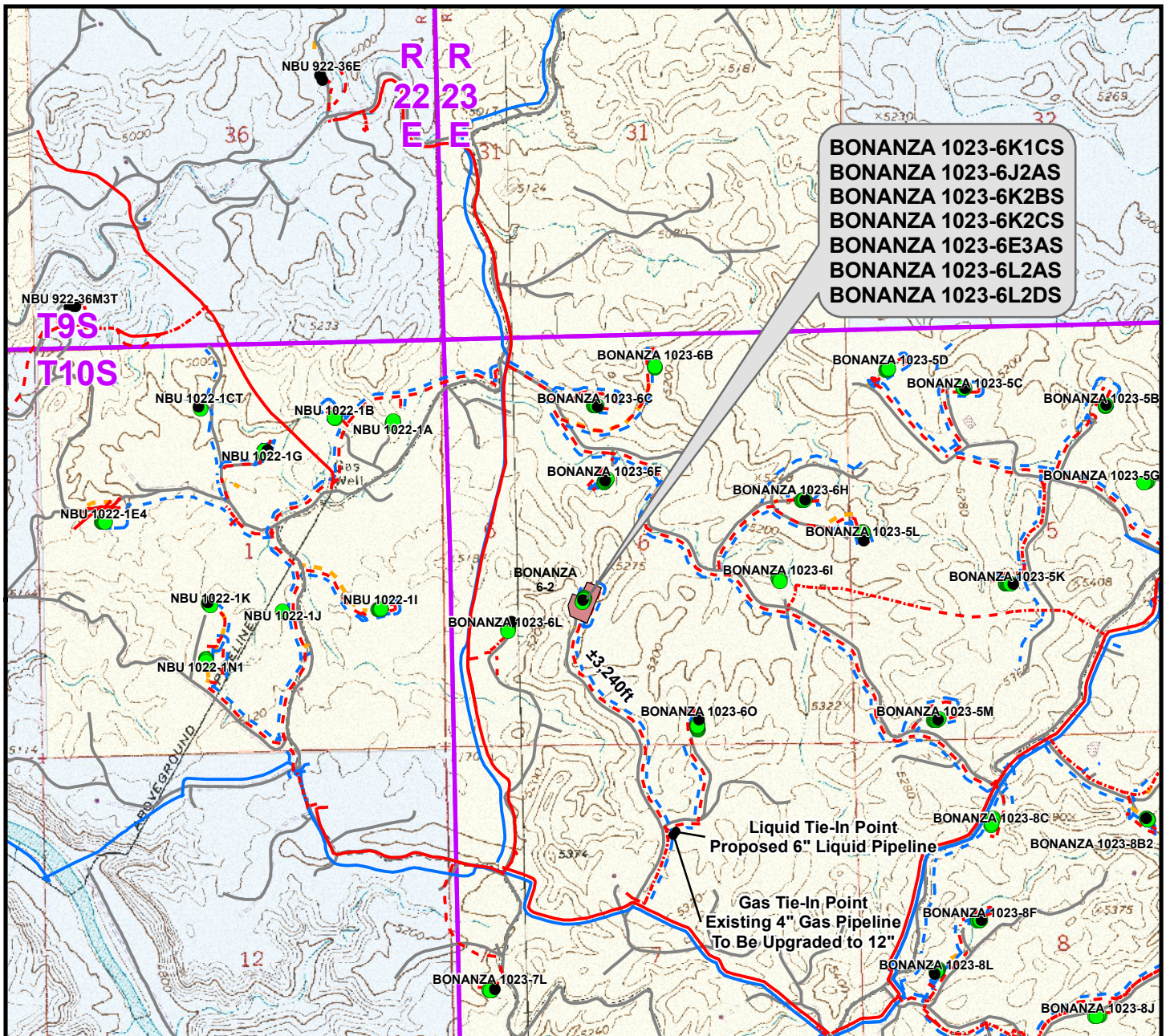
TOPO C
BONANZA 1023-6K1CS, BONANZA 1023-6J2AS,
BONANZA 1023-6K2BS, BONANZA 1023-6K2CS,
BONANZA 1023-6E3AS, BONANZA 1023-6L2AS &
BONANZA 1023-6L2DS
LOCATED IN SECTION 6, T10S, R23E
S.L.B.&M., UTAH COUNTY, UTAH



- Producing
- Temporarily-Abandoned
- Shut-In
- Plugged and Abandoned
- Location Abandoned
- Dry hole marker, buried
- Returned APD (Unapproved)
- Active
- Spudded (Drilling commenced; Not yet completed)
- Approved permit (APD); not yet spudded
- New Permit (Not yet approved or drilled)
- Inactive
- Drilling Operations Suspended

Scale: 1" = 2,000ft
NAD83 USP Central
Drawn: TL
Revised: JID
Date: 14 Apr 2010
Date: 6 Aug 2010

Sheet No:
15
15 of 19



Proposed Liquid Pipeline	Length
Proposed 6" (Meter House to Edge of Pad)	±820ft
Proposed 6" (Edge of Pad to 60 Intersection)	±3,240ft
TOTAL PROPOSED LIQUID PIPELINE =	±4,060ft

Proposed Gas Pipeline	Length
Proposed 8" (Meter House to Edge of Pad)	±820ft
Proposed 8" (Edge of Pad to 60 Intersection)	±3,240ft
TOTAL PROPOSED GAS PIPELINE =	±4,060ft

Legend

● Well - Proposed	- - - Gas Pipeline - Proposed	- - - Liquid Pipeline - Proposed	- - - Road - Proposed	■ Bureau of Land Management
● Well - Existing	- - - Gas Pipeline - To Be Upgraded	- - - Liquid Pipeline - To Be Upgraded	- - - Road - Existing	■ Indian Reservation
■ Well Pad	- - - Gas Pipeline - Existing	- - - Liquid Pipeline - Existing		■ State
				■ Private

Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

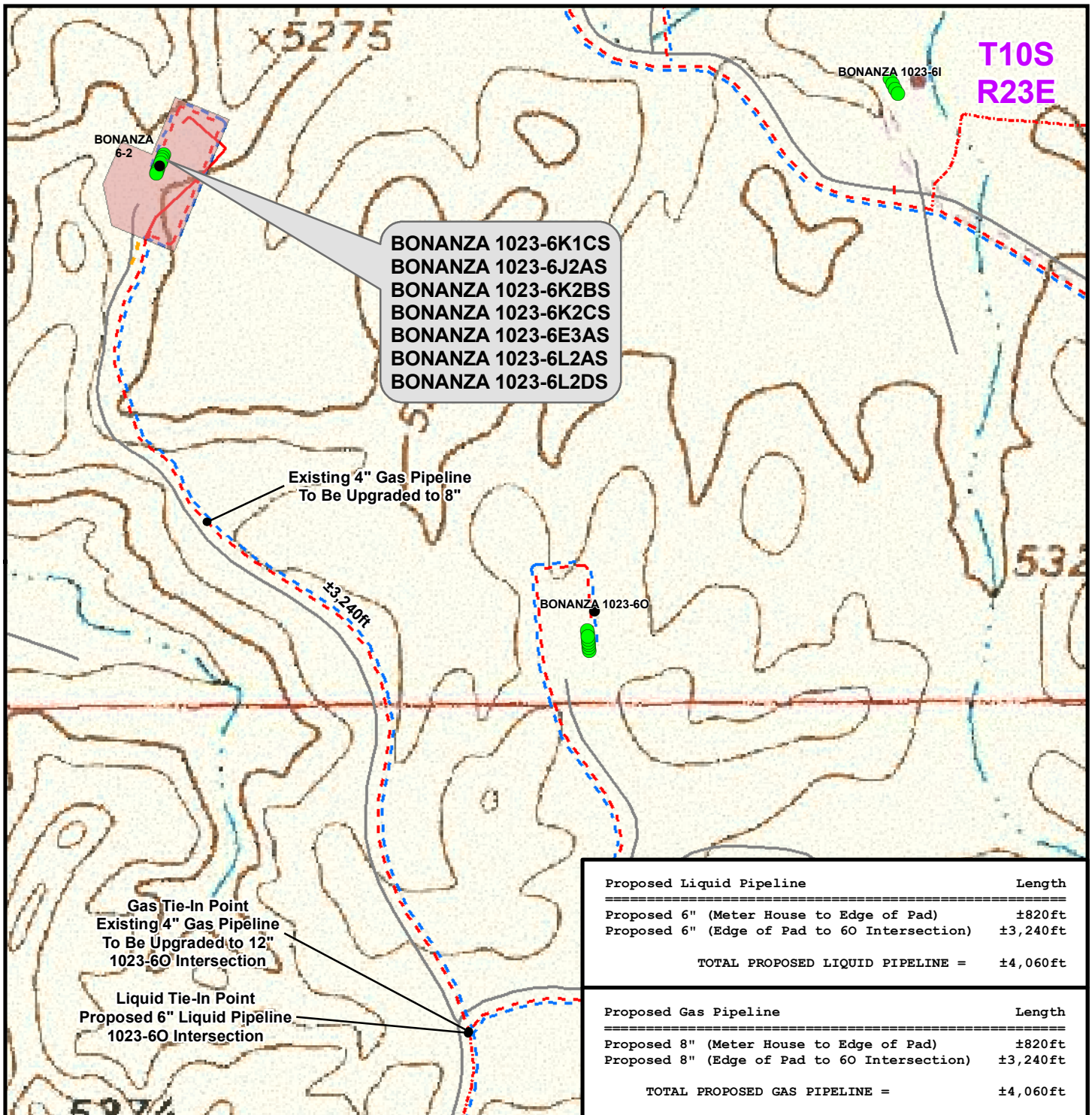
WELL PAD - BONANZA 1023-6K

TOPO D
BONANZA 1023-6K1CS, BONANZA 1023-6J2AS,
BONANZA 1023-6K2BS, BONANZA 1023-6K2CS,
BONANZA 1023-6E3AS, BONANZA 1023-6L2AS &
BONANZA 1023-6L2DS
LOCATED IN SECTION 6, T10S, R23E
S.L.B.&M., UTAH COUNTY, UTAH



Scale: 1" = 2,000ft	NAD83 USP Central
Drawn: TL	Date: 14 Apr 2010
Revised: CPS	Date: 15 Oct 2010

Sheet No:
16 16 of 19



Proposed Liquid Pipeline	Length
Proposed 6" (Meter House to Edge of Pad)	±820ft
Proposed 6" (Edge of Pad to 60 Intersection)	±3,240ft
TOTAL PROPOSED LIQUID PIPELINE =	±4,060ft

Proposed Gas Pipeline	Length
Proposed 8" (Meter House to Edge of Pad)	±820ft
Proposed 8" (Edge of Pad to 60 Intersection)	±3,240ft
TOTAL PROPOSED GAS PIPELINE =	±4,060ft

Legend

- Well - Proposed
 --- Gas Pipeline - Proposed
 --- Liquid Pipeline - Proposed
 --- Road - Proposed
 Bureau of Land Management
- Well - Existing
 --- Gas Pipeline - To Be Upgraded
 --- Liquid Pipeline - To Be Upgraded
 --- Road - Existing
 Indian Reservation
- Well Pad
 --- Gas Pipeline - Existing
 --- Liquid Pipeline - Existing
 State
 Private

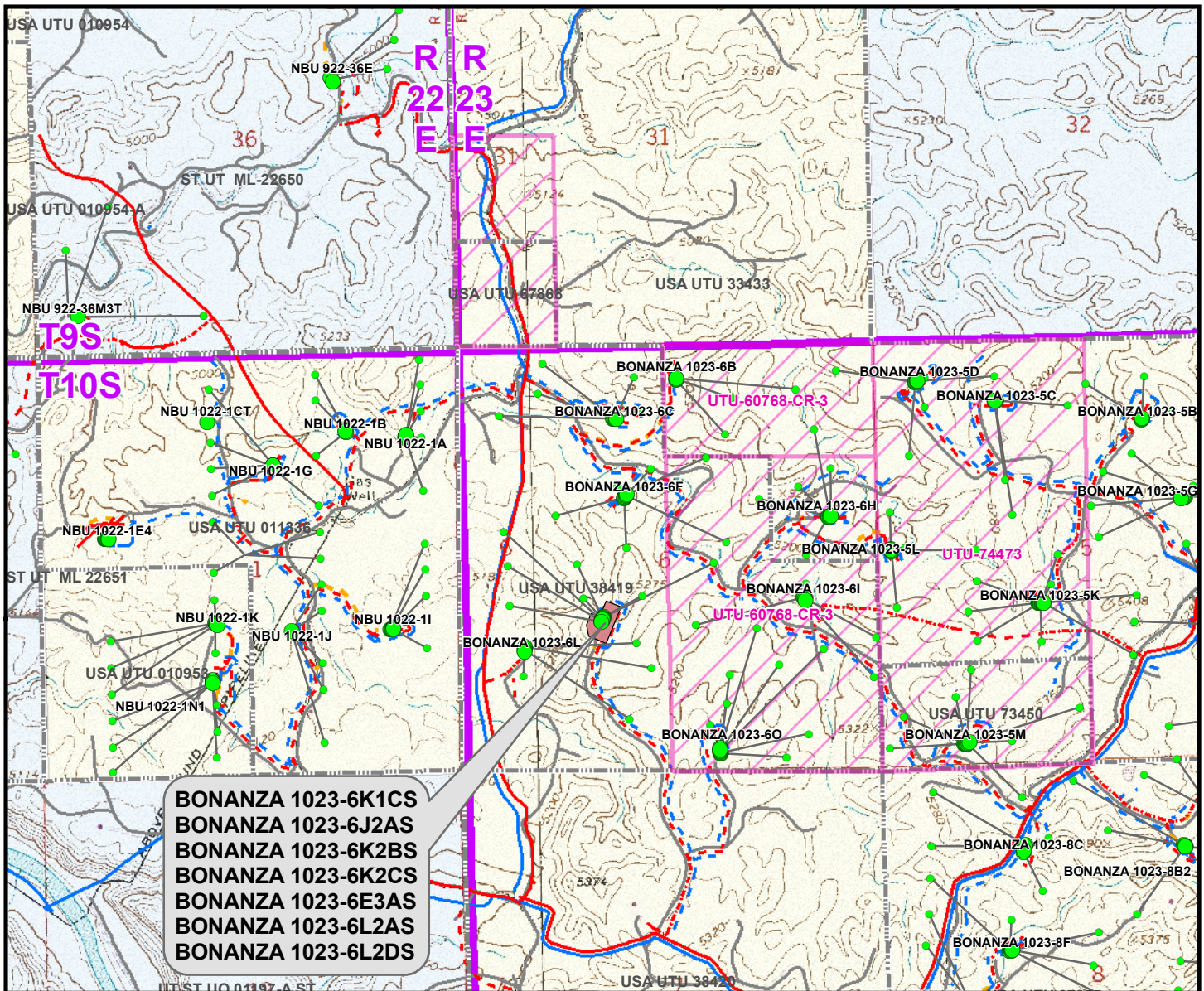
Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-6K

TOPO D2 (PAD & PIPELINE DETAIL)
 BONANZA 1023-6K1CS, BONANZA 1023-6J2AS,
 BONANZA 1023-6K2BS, BONANZA 1023-6K2CS,
 BONANZA 1023-6E3AS, BONANZA 1023-6L2AS &
 BONANZA 1023-6L2DS
 LOCATED IN SECTION 6, T10S, R23E
 S.L.B.&M., UTAH COUNTY, UTAH



Scale: 1" = 500ft	NAD83 USP Central	Sheet No:
Drawn: TL	Date: 14 Apr 2010	17
Revised: CPS	Date: 15 Oct 2010	17 of 19



Proposed Well	Distance To Nearest CA Boundary	Proposed Well	Distance To Nearest Lease Boundary
BONANZA 1023-6K1CS	370ft	BONANZA 1023-6K1CS	1,754ft
BONANZA 1023-6J2AS	540ft	BONANZA 1023-6J2AS	784ft
BONANZA 1023-6K2BS	1,184ft	BONANZA 1023-6K2BS	1,412ft
BONANZA 1023-6K2CS	1,113ft	BONANZA 1023-6K2CS	1,485ft
BONANZA 1023-6E3AS	2,089ft	BONANZA 1023-6E3AS	507ft
BONANZA 1023-6L2AS	2,054ft	BONANZA 1023-6L2AS	541ft
BONANZA 1023-6L2DS	2,041ft	BONANZA 1023-6L2DS	557ft

Legend

- Well - Proposed
- Bottom Hole - Proposed
- Well Path
- Well Pad
- CA Agreement
- Lease Boundary
- Gas Pipeline - Proposed
- Gas Pipeline - To Be Upgraded
- Gas Pipeline - Existing
- Liquid Pipeline - Proposed
- Liquid Pipeline - To Be Upgraded
- Liquid Pipeline - Existing
- Road - Proposed
- Road - Existing
- Bureau of Land Management
- Indian Reservation
- State
- Private

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-6K

TOPO E
BONANZA 1023-6K1CS, BONANZA 1023-6J2AS,
BONANZA 1023-6K2BS, BONANZA 1023-6K2CS,
BONANZA 1023-6E3AS, BONANZA 1023-6L2AS &
BONANZA 1023-6L2DS
LOCATED IN SECTION 6, T10S, R23E
S.L.B.&M., UTAH COUNTY, UTAH

609
CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182



Scale: 1" = 2,000ft | NAD83 USP Central | Sheet No: **18** 18 of 19
Drawn: TL | Date: 14 Apr 2010
Revised: CPS | Date: 15 Oct 2010

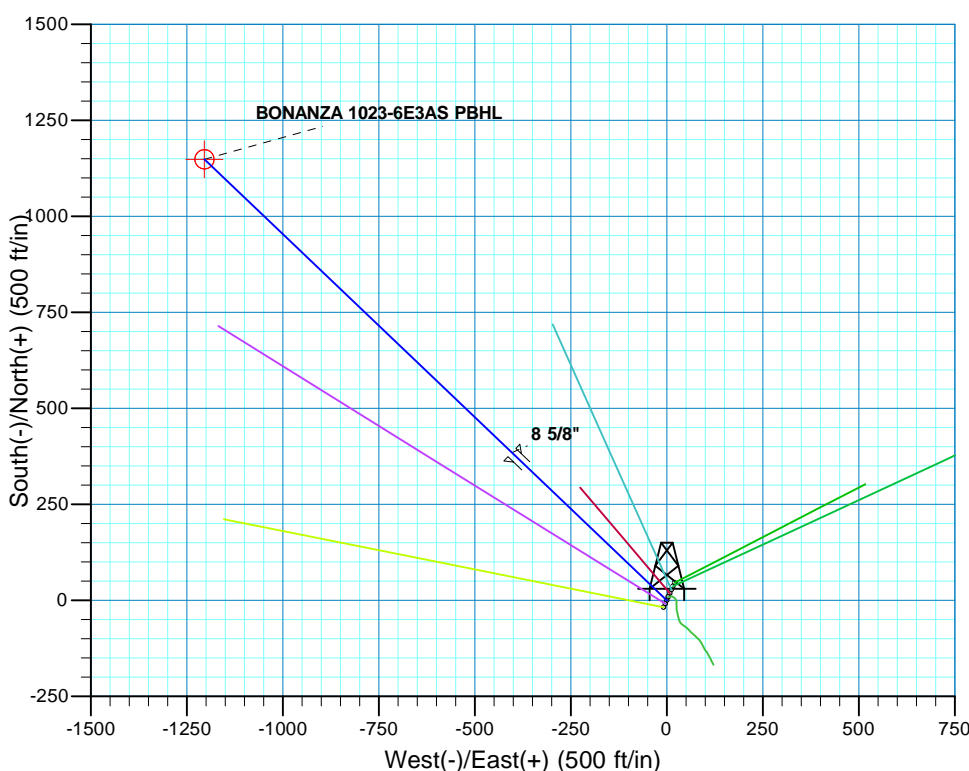
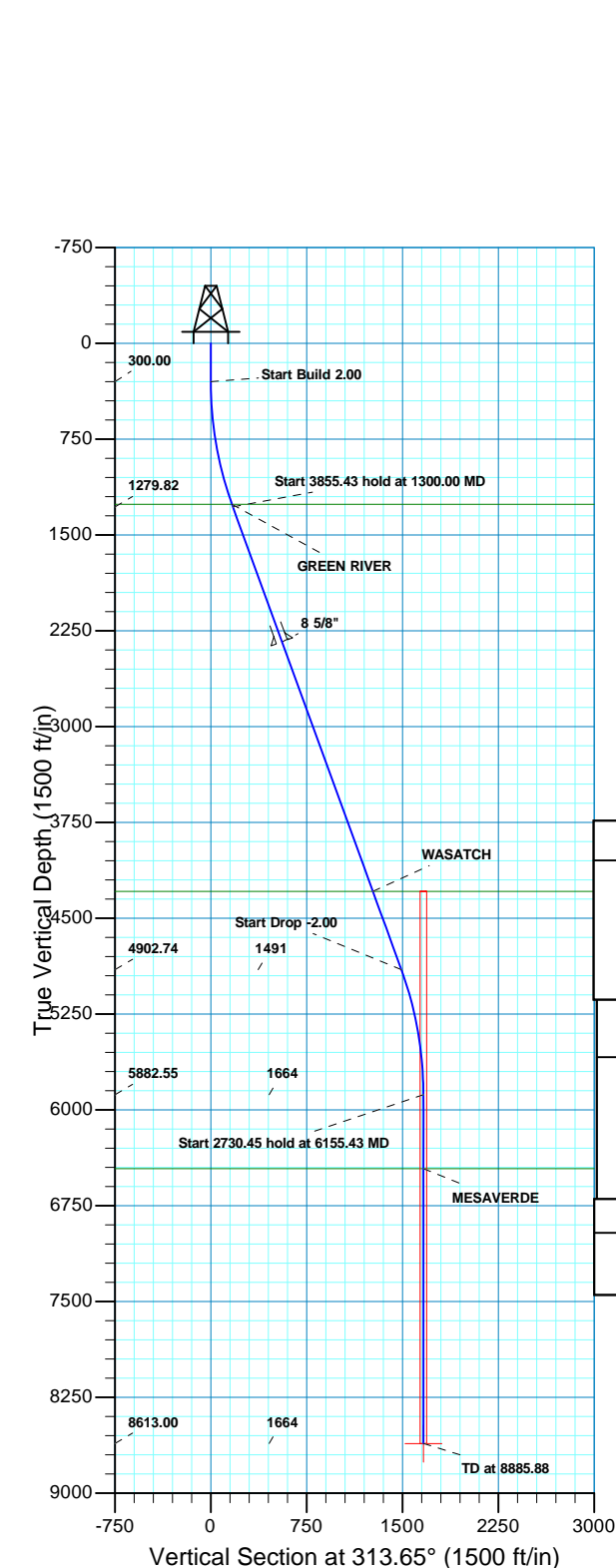
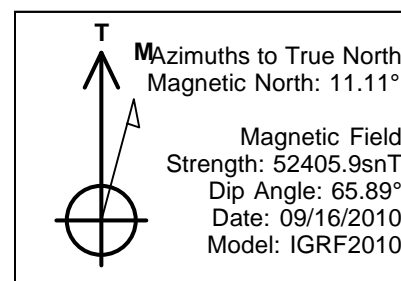
**Kerr-McGee Oil & Gas Onshore, LP
WELL PAD – BONANZA 1023-6K
WELLS – BONANZA 1023-6K1CS, BONANZA 1023-6J2AS,
BONANZA 1023-6K2BS, BONANZA 1023-6K2CS,
BONANZA 1023-6E3AS, BONANZA 1023-6L2AS &
BONANZA 1023-6L2DS
Section 6, T10S, R23E, S.L.B.&M.**

From the intersection of U.S. Highway 40 and 500 East Street in Vernal, Utah proceed in an easterly then southerly direction along U.S. Highway 40 approximately 3.3 miles to the junction of State Highway 45; exit right and proceed in a southerly direction along State Highway 45 approximately 20.2 miles to the junction of the Glen Bench Road (County B Road 3260). Exit right and proceed in a southwesterly direction along the Glen Bench Road approximately 14.4 miles to the intersection of the Chipeta Wells Road (County B Road 3410) which road intersection is approximately 400 feet northeast of the Mountain Fuel Bridge, at the White River. Exit left and proceed in a southeasterly direction along the Chipeta Wells Road approximately 4.3 miles to the intersection of the Atchee Wash Road (County B Road 4240). Exit right and proceed in a southeasterly, then southerly direction along the Atchee Wash Road approximately 7.5 miles to the intersection of the County B Road 3420. Exit left and proceed in a northeasterly direction along the County B Road 3420 approximately 0.3 miles to a service road to the left. Exit left and proceed along said service road approximately 1.6 miles to the proposed access road. Follow the road flags in a northeasterly direction approximately 80 feet to the proposed well pad.

Total distance from Vernal, Utah to the proposed well location is approximately 51.6 miles in a southerly direction.

WELL DETAILS: BONANZA 1023-6E3AS					
GL 5219 & RKB 14" @ 5233.00ft (ASSUMED)					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	14521410.51	2096516.34	39° 58' 33.024 N	109° 22' 19.286 W

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL	8613.00	1148.78	-1204.07	14522537.11	2095291.51	39° 58' 44.378 N	109° 22' 34.756 W
- plan hits target center							
Shape							
Circle (Radius: 25.00)							



SECTION DETAILS										
	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
	1300.00	20.00	313.65	1279.82	119.26	-125.00	2.00	313.65	172.77	
	5155.43	20.00	313.65	4902.74	1029.52	-1079.07	0.00	0.00	1491.40	
	6155.43	0.00	0.00	5882.55	1148.78	-1204.07	2.00	180.00	1664.17	
	8885.88	0.00	0.00	8613.00	1148.78	-1204.07	0.00	0.00	1664.17	BONANZA 1023-6E3AS PBHL
PROJECT DETAILS: Uintah County, UT UTM12 Geodetic System: Universal Transverse Mercator (US Survey Feet) Datum: NAD 1927 - Western US Ellipsoid: Clarke 1866 Zone: Zone 12N (114 W to 108 W) Location: SEC 6 T10S R23E System Datum:Mean Sea Level							FORMATION TOP DETAILS			
							TVDPath	MDPath	Formation	
							1260.00	1278.94	GREEN RIVER	
							4291.00	4504.44	WASATCH	
							6461.00	6733.88	MESAVERDE	
CASING DETAILS										
				TVD	MD	Name	Size			
				2337.00	2425.03	8 5/8"	8.625			

Kerr McGee Oil and Gas Onshore LP

Uintah County, UT UTM12

Bonanza 1023-6K Pad

BONANZA 1023-6E3AS

OH

Plan: PLAN #1

Standard Planning Report

16 September, 2010

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well BONANZA 1023-6E3AS
Company:	Kerr McGee Oil and Gas Onshore LP	TVD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	MD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Site:	Bonanza 1023-6K Pad	North Reference:	True
Well:	BONANZA 1023-6E3AS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Project	Uintah County, UT UTM12		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	Bonanza 1023-6K Pad, SEC 6 T10S R23E		
Site Position:		Northing:	14,521,392.52 usft
From:	Lat/Long	Easting:	2,096,508.54 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in
		Latitude:	39° 58' 32.848 N
		Longitude:	109° 22' 19.391 W
		Grid Convergence:	1.05 °

Well	BONANZA 1023-6E3AS, 1870' FSL 1712' FWL		
Well Position	+N/-S	17.85 ft	Northing: 14,521,410.51 usft
	+E/-W	8.13 ft	Easting: 2,096,516.34 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	5,219.00 ft
		Latitude:	39° 58' 33.024 N
		Longitude:	109° 22' 19.286 W
		Ground Level:	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	09/16/2010	11.11	65.89	52,406

Design	PLAN #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	313.65

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	20.00	313.65	1,279.82	119.26	-125.00	2.00	2.00	0.00	313.65	
5,155.43	20.00	313.65	4,902.74	1,029.52	-1,079.07	0.00	0.00	0.00	0.00	
6,155.43	0.00	0.00	5,882.55	1,148.78	-1,204.07	2.00	-2.00	0.00	180.00	
8,885.88	0.00	0.00	8,613.00	1,148.78	-1,204.07	0.00	0.00	0.00	0.00	BONANZA 1023-6E3,

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well BONANZA 1023-6E3AS
Company:	Kerr McGee Oil and Gas Onshore LP	TVD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	MD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Site:	Bonanza 1023-6K Pad	North Reference:	True
Well:	BONANZA 1023-6E3AS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
Start Build 2.00										
400.00	2.00	313.65	399.98	1.20	-1.26	1.75	2.00	2.00	0.00	
500.00	4.00	313.65	499.84	4.82	-5.05	6.98	2.00	2.00	0.00	
600.00	6.00	313.65	599.45	10.83	-11.35	15.69	2.00	2.00	0.00	
700.00	8.00	313.65	698.70	19.25	-20.17	27.88	2.00	2.00	0.00	
800.00	10.00	313.65	797.47	30.04	-31.49	43.52	2.00	2.00	0.00	
900.00	12.00	313.65	895.62	43.21	-45.29	62.60	2.00	2.00	0.00	
1,000.00	14.00	313.65	993.06	58.74	-61.57	85.10	2.00	2.00	0.00	
1,100.00	16.00	313.65	1,089.64	76.61	-80.29	110.98	2.00	2.00	0.00	
1,200.00	18.00	313.65	1,185.27	96.79	-101.45	140.21	2.00	2.00	0.00	
1,278.94	19.58	313.65	1,260.00	114.34	-119.84	165.64	2.00	2.00	0.00	
GREEN RIVER										
1,300.00	20.00	313.65	1,279.82	119.26	-125.00	172.77	2.00	2.00	0.00	
Start 3855.43 hold at 1300.00 MD										
1,400.00	20.00	313.65	1,373.78	142.87	-149.75	206.97	0.00	0.00	0.00	
1,500.00	20.00	313.65	1,467.75	166.48	-174.49	241.17	0.00	0.00	0.00	
1,600.00	20.00	313.65	1,561.72	190.09	-199.24	275.37	0.00	0.00	0.00	
1,700.00	20.00	313.65	1,655.69	213.70	-223.99	309.58	0.00	0.00	0.00	
1,800.00	20.00	313.65	1,749.66	237.31	-248.73	343.78	0.00	0.00	0.00	
1,900.00	20.00	313.65	1,843.63	260.92	-273.48	377.98	0.00	0.00	0.00	
2,000.00	20.00	313.65	1,937.60	284.53	-298.22	412.18	0.00	0.00	0.00	
2,100.00	20.00	313.65	2,031.57	308.14	-322.97	446.38	0.00	0.00	0.00	
2,200.00	20.00	313.65	2,125.54	331.75	-347.72	480.59	0.00	0.00	0.00	
2,300.00	20.00	313.65	2,219.51	355.36	-372.46	514.79	0.00	0.00	0.00	
2,400.00	20.00	313.65	2,313.48	378.97	-397.21	548.99	0.00	0.00	0.00	
2,425.03	20.00	313.65	2,337.00	384.88	-403.40	557.55	0.00	0.00	0.00	
8 5/8"										
2,500.00	20.00	313.65	2,407.45	402.58	-421.95	583.19	0.00	0.00	0.00	
2,600.00	20.00	313.65	2,501.42	426.19	-446.70	617.39	0.00	0.00	0.00	
2,700.00	20.00	313.65	2,595.39	449.80	-471.44	651.60	0.00	0.00	0.00	
2,800.00	20.00	313.65	2,689.35	473.41	-496.19	685.80	0.00	0.00	0.00	
2,900.00	20.00	313.65	2,783.32	497.02	-520.94	720.00	0.00	0.00	0.00	
3,000.00	20.00	313.65	2,877.29	520.63	-545.68	754.20	0.00	0.00	0.00	
3,100.00	20.00	313.65	2,971.26	544.24	-570.43	788.40	0.00	0.00	0.00	
3,200.00	20.00	313.65	3,065.23	567.85	-595.17	822.61	0.00	0.00	0.00	
3,300.00	20.00	313.65	3,159.20	591.45	-619.92	856.81	0.00	0.00	0.00	
3,400.00	20.00	313.65	3,253.17	615.06	-644.67	891.01	0.00	0.00	0.00	
3,500.00	20.00	313.65	3,347.14	638.67	-669.41	925.21	0.00	0.00	0.00	
3,600.00	20.00	313.65	3,441.11	662.28	-694.16	959.41	0.00	0.00	0.00	
3,700.00	20.00	313.65	3,535.08	685.89	-718.90	993.62	0.00	0.00	0.00	
3,800.00	20.00	313.65	3,629.05	709.50	-743.65	1,027.82	0.00	0.00	0.00	
3,900.00	20.00	313.65	3,723.02	733.11	-768.40	1,062.02	0.00	0.00	0.00	
4,000.00	20.00	313.65	3,816.99	756.72	-793.14	1,096.22	0.00	0.00	0.00	
4,100.00	20.00	313.65	3,910.95	780.33	-817.89	1,130.42	0.00	0.00	0.00	
4,200.00	20.00	313.65	4,004.92	803.94	-842.63	1,164.63	0.00	0.00	0.00	
4,300.00	20.00	313.65	4,098.89	827.55	-867.38	1,198.83	0.00	0.00	0.00	
4,400.00	20.00	313.65	4,192.86	851.16	-892.13	1,233.03	0.00	0.00	0.00	
4,500.00	20.00	313.65	4,286.83	874.77	-916.87	1,267.23	0.00	0.00	0.00	

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well BONANZA 1023-6E3AS
Company:	Kerr McGee Oil and Gas Onshore LP	TVD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	MD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Site:	Bonanza 1023-6K Pad	North Reference:	True
Well:	BONANZA 1023-6E3AS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,504.44	20.00	313.65	4,291.00	875.82	-917.97	1,268.75	0.00	0.00	0.00
WASATCH									
4,600.00	20.00	313.65	4,380.80	898.38	-941.62	1,301.43	0.00	0.00	0.00
4,700.00	20.00	313.65	4,474.77	921.99	-966.36	1,335.64	0.00	0.00	0.00
4,800.00	20.00	313.65	4,568.74	945.60	-991.11	1,369.84	0.00	0.00	0.00
4,900.00	20.00	313.65	4,662.71	969.21	-1,015.86	1,404.04	0.00	0.00	0.00
5,000.00	20.00	313.65	4,756.68	992.82	-1,040.60	1,438.24	0.00	0.00	0.00
5,100.00	20.00	313.65	4,850.65	1,016.43	-1,065.35	1,472.44	0.00	0.00	0.00
5,155.43	20.00	313.65	4,902.74	1,029.52	-1,079.07	1,491.40	0.00	0.00	0.00
Start Drop -2.00									
5,200.00	19.11	313.65	4,944.73	1,039.81	-1,089.86	1,506.32	2.00	-2.00	0.00
5,300.00	17.11	313.65	5,039.78	1,061.27	-1,112.34	1,537.40	2.00	-2.00	0.00
5,400.00	15.11	313.65	5,135.84	1,080.42	-1,132.42	1,565.15	2.00	-2.00	0.00
5,500.00	13.11	313.65	5,232.82	1,097.25	-1,150.05	1,589.52	2.00	-2.00	0.00
5,600.00	11.11	313.65	5,330.59	1,111.73	-1,165.23	1,610.50	2.00	-2.00	0.00
5,700.00	9.11	313.65	5,429.04	1,123.84	-1,177.93	1,628.05	2.00	-2.00	0.00
5,800.00	7.11	313.65	5,528.03	1,133.58	-1,188.13	1,642.15	2.00	-2.00	0.00
5,900.00	5.11	313.65	5,627.46	1,140.92	-1,195.83	1,652.79	2.00	-2.00	0.00
6,000.00	3.11	313.65	5,727.20	1,145.87	-1,201.02	1,659.96	2.00	-2.00	0.00
6,100.00	1.11	313.65	5,827.12	1,148.41	-1,203.68	1,663.64	2.00	-2.00	0.00
6,155.43	0.00	0.00	5,882.55	1,148.78	-1,204.07	1,664.17	2.00	-2.00	0.00
Start 2730.45 hold at 6155.43 MD									
6,200.00	0.00	0.00	5,927.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
6,300.00	0.00	0.00	6,027.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
6,400.00	0.00	0.00	6,127.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
6,500.00	0.00	0.00	6,227.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
6,600.00	0.00	0.00	6,327.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
6,700.00	0.00	0.00	6,427.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
6,733.88	0.00	0.00	6,461.00	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
MESAVERDE									
6,800.00	0.00	0.00	6,527.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
6,900.00	0.00	0.00	6,627.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
7,000.00	0.00	0.00	6,727.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
7,100.00	0.00	0.00	6,827.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
7,200.00	0.00	0.00	6,927.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
7,300.00	0.00	0.00	7,027.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
7,400.00	0.00	0.00	7,127.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
7,500.00	0.00	0.00	7,227.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
7,600.00	0.00	0.00	7,327.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
7,700.00	0.00	0.00	7,427.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
7,800.00	0.00	0.00	7,527.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
7,900.00	0.00	0.00	7,627.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
8,000.00	0.00	0.00	7,727.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
8,100.00	0.00	0.00	7,827.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
8,200.00	0.00	0.00	7,927.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
8,300.00	0.00	0.00	8,027.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
8,400.00	0.00	0.00	8,127.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
8,500.00	0.00	0.00	8,227.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
8,600.00	0.00	0.00	8,327.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
8,700.00	0.00	0.00	8,427.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
8,800.00	0.00	0.00	8,527.12	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00

Kerr McGee Oil and Gas Onshore LP

Uintah County, UT UTM12

Bonanza 1023-6K Pad

BONANZA 1023-6E3AS

OH

Plan: PLAN #1

Survey Report - Geographic

16 September, 2010

Company:	Kerr McGee Oil and Gas Onshore LP	Local Co-ordinate Reference:	Well BONANZA 1023-6E3AS
Project:	Uintah County, UT UTM12	TVD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Site:	Bonanza 1023-6K Pad	MD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Well:	BONANZA 1023-6E3AS	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	PLAN #1	Database:	EDM5000-RobertS-Local

Project	Uintah County, UT UTM12		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	Bonanza 1023-6K Pad, SEC 6 T10S R23E				
Site Position:		Northing:	14,521,392.52 usft	Latitude:	39° 58' 32.848 N
From:	Lat/Long	Easting:	2,096,508.54 usft	Longitude:	109° 22' 19.391 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	1.05 °

Well	BONANZA 1023-6E3AS, 1870' FSL 1712' FWL					
Well Position	+N/-S	0.00 ft	Northing:	14,521,410.51 usft	Latitude:	39° 58' 33.024 N
	+E/-W	0.00 ft	Easting:	2,096,516.34 usft	Longitude:	109° 22' 19.286 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,219.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	09/16/2010	11.11	65.89	52,406

Design	PLAN #1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	313.65	

Survey Tool Program	Date	09/16/2010			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	8,885.88	PLAN #1 (OH)	MWD SDI	MWD - Standard ver 1.0.1	

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.00	0.00	0.00	0.00	0.00	0.00	14,521,410.51	2,096,516.34	39° 58' 33.024 N	109° 22' 19.286 W	
100.00	0.00	0.00	100.00	0.00	0.00	14,521,410.51	2,096,516.34	39° 58' 33.024 N	109° 22' 19.286 W	
200.00	0.00	0.00	200.00	0.00	0.00	14,521,410.51	2,096,516.34	39° 58' 33.024 N	109° 22' 19.286 W	
300.00	0.00	0.00	300.00	0.00	0.00	14,521,410.51	2,096,516.34	39° 58' 33.024 N	109° 22' 19.286 W	
Start Build 2.00										
400.00	2.00	313.65	399.98	1.20	-1.26	14,521,411.70	2,096,515.06	39° 58' 33.036 N	109° 22' 19.303 W	
500.00	4.00	313.65	499.84	4.82	-5.05	14,521,415.24	2,096,511.21	39° 58' 33.072 N	109° 22' 19.351 W	
600.00	6.00	313.65	599.45	10.83	-11.35	14,521,421.14	2,096,504.79	39° 58' 33.131 N	109° 22' 19.432 W	
700.00	8.00	313.65	698.70	19.25	-20.17	14,521,429.39	2,096,495.82	39° 58' 33.214 N	109° 22' 19.546 W	
800.00	10.00	313.65	797.47	30.04	-31.49	14,521,439.98	2,096,484.31	39° 58' 33.321 N	109° 22' 19.691 W	

Company:	Kerr McGee Oil and Gas Onshore LP	Local Co-ordinate Reference:	Well BONANZA 1023-6E3AS
Project:	Uintah County, UT UTM12	TVD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Site:	Bonanza 1023-6K Pad	MD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Well:	BONANZA 1023-6E3AS	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	PLAN #1	Database:	EDM5000-RobertS-Local

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
900.00	12.00	313.65	895.62	43.21	-45.29	14,521,452.89	2,096,470.27	39° 58' 33.451 N	109° 22' 19.868 W
1,000.00	14.00	313.65	993.06	58.74	-61.57	14,521,468.12	2,096,453.71	39° 58' 33.605 N	109° 22' 20.077 W
1,100.00	16.00	313.65	1,089.64	76.61	-80.29	14,521,485.64	2,096,434.66	39° 58' 33.781 N	109° 22' 20.318 W
1,200.00	18.00	313.65	1,185.27	96.79	-101.45	14,521,505.44	2,096,413.14	39° 58' 33.981 N	109° 22' 20.590 W
1,278.94	19.58	313.65	1,260.00	114.34	-119.84	14,521,522.65	2,096,394.43	39° 58' 34.154 N	109° 22' 20.826 W
GREEN RIVER									
1,300.00	20.00	313.65	1,279.82	119.26	-125.00	14,521,527.47	2,096,389.18	39° 58' 34.203 N	109° 22' 20.892 W
Start 3855.43 hold at 1300.00 MD									
1,400.00	20.00	313.65	1,373.78	142.87	-149.75	14,521,550.63	2,096,364.01	39° 58' 34.436 N	109° 22' 21.210 W
1,500.00	20.00	313.65	1,467.75	166.48	-174.49	14,521,573.78	2,096,338.84	39° 58' 34.670 N	109° 22' 21.528 W
1,600.00	20.00	313.65	1,561.72	190.09	-199.24	14,521,596.94	2,096,313.67	39° 58' 34.903 N	109° 22' 21.846 W
1,700.00	20.00	313.65	1,655.69	213.70	-223.99	14,521,620.09	2,096,288.49	39° 58' 35.136 N	109° 22' 22.164 W
1,800.00	20.00	313.65	1,749.66	237.31	-248.73	14,521,643.24	2,096,263.32	39° 58' 35.370 N	109° 22' 22.482 W
1,900.00	20.00	313.65	1,843.63	260.92	-273.48	14,521,666.40	2,096,238.15	39° 58' 35.603 N	109° 22' 22.800 W
2,000.00	20.00	313.65	1,937.60	284.53	-298.22	14,521,689.55	2,096,212.97	39° 58' 35.836 N	109° 22' 23.118 W
2,100.00	20.00	313.65	2,031.57	308.14	-322.97	14,521,712.71	2,096,187.80	39° 58' 36.070 N	109° 22' 23.436 W
2,200.00	20.00	313.65	2,125.54	331.75	-347.72	14,521,735.86	2,096,162.63	39° 58' 36.303 N	109° 22' 23.754 W
2,300.00	20.00	313.65	2,219.51	355.36	-372.46	14,521,759.01	2,096,137.46	39° 58' 36.536 N	109° 22' 24.071 W
2,400.00	20.00	313.65	2,313.48	378.97	-397.21	14,521,782.17	2,096,112.28	39° 58' 36.770 N	109° 22' 24.389 W
2,425.03	20.00	313.65	2,337.00	384.88	-403.40	14,521,787.96	2,096,105.98	39° 58' 36.828 N	109° 22' 24.469 W
8 5/8"									
2,500.00	20.00	313.65	2,407.45	402.58	-421.95	14,521,805.32	2,096,087.11	39° 58' 37.003 N	109° 22' 24.707 W
2,600.00	20.00	313.65	2,501.42	426.19	-446.70	14,521,828.47	2,096,061.94	39° 58' 37.236 N	109° 22' 25.025 W
2,700.00	20.00	313.65	2,595.39	449.80	-471.44	14,521,851.63	2,096,036.76	39° 58' 37.470 N	109° 22' 25.343 W
2,800.00	20.00	313.65	2,689.35	473.41	-496.19	14,521,874.78	2,096,011.59	39° 58' 37.703 N	109° 22' 25.661 W
2,900.00	20.00	313.65	2,783.32	497.02	-520.94	14,521,897.94	2,095,986.42	39° 58' 37.937 N	109° 22' 25.979 W
3,000.00	20.00	313.65	2,877.29	520.63	-545.68	14,521,921.09	2,095,961.25	39° 58' 38.170 N	109° 22' 26.297 W
3,100.00	20.00	313.65	2,971.26	544.24	-570.43	14,521,944.24	2,095,936.07	39° 58' 38.403 N	109° 22' 26.615 W
3,200.00	20.00	313.65	3,065.23	567.85	-595.17	14,521,967.40	2,095,910.90	39° 58' 38.637 N	109° 22' 26.933 W
3,300.00	20.00	313.65	3,159.20	591.45	-619.92	14,521,990.55	2,095,885.73	39° 58' 38.870 N	109° 22' 27.251 W
3,400.00	20.00	313.65	3,253.17	615.06	-644.67	14,522,013.71	2,095,860.55	39° 58' 39.103 N	109° 22' 27.569 W
3,500.00	20.00	313.65	3,347.14	638.67	-669.41	14,522,036.86	2,095,835.38	39° 58' 39.337 N	109° 22' 27.886 W
3,600.00	20.00	313.65	3,441.11	662.28	-694.16	14,522,060.01	2,095,810.21	39° 58' 39.570 N	109° 22' 28.204 W
3,700.00	20.00	313.65	3,535.08	685.89	-718.90	14,522,083.17	2,095,785.04	39° 58' 39.803 N	109° 22' 28.522 W
3,800.00	20.00	313.65	3,629.05	709.50	-743.65	14,522,106.32	2,095,759.86	39° 58' 40.037 N	109° 22' 28.840 W
3,900.00	20.00	313.65	3,723.02	733.11	-768.40	14,522,129.47	2,095,734.69	39° 58' 40.270 N	109° 22' 29.158 W
4,000.00	20.00	313.65	3,816.99	756.72	-793.14	14,522,152.63	2,095,709.52	39° 58' 40.503 N	109° 22' 29.476 W
4,100.00	20.00	313.65	3,910.95	780.33	-817.89	14,522,175.78	2,095,684.34	39° 58' 40.737 N	109° 22' 29.794 W
4,200.00	20.00	313.65	4,004.92	803.94	-842.63	14,522,198.94	2,095,659.17	39° 58' 40.970 N	109° 22' 30.112 W
4,300.00	20.00	313.65	4,098.89	827.55	-867.38	14,522,222.09	2,095,634.00	39° 58' 41.203 N	109° 22' 30.430 W
4,400.00	20.00	313.65	4,192.86	851.16	-892.13	14,522,245.24	2,095,608.83	39° 58' 41.437 N	109° 22' 30.748 W
4,500.00	20.00	313.65	4,286.83	874.77	-916.87	14,522,268.40	2,095,583.65	39° 58' 41.670 N	109° 22' 31.066 W
4,504.44	20.00	313.65	4,291.00	875.82	-917.97	14,522,269.43	2,095,582.54	39° 58' 41.681 N	109° 22' 31.080 W
WASATCH									
4,600.00	20.00	313.65	4,380.80	898.38	-941.62	14,522,291.55	2,095,558.48	39° 58' 41.904 N	109° 22' 31.384 W
4,700.00	20.00	313.65	4,474.77	921.99	-966.36	14,522,314.71	2,095,533.31	39° 58' 42.137 N	109° 22' 31.702 W
4,800.00	20.00	313.65	4,568.74	945.60	-991.11	14,522,337.86	2,095,508.13	39° 58' 42.370 N	109° 22' 32.020 W
4,900.00	20.00	313.65	4,662.71	969.21	-1,015.86	14,522,361.01	2,095,482.96	39° 58' 42.604 N	109° 22' 32.337 W
5,000.00	20.00	313.65	4,756.68	992.82	-1,040.60	14,522,384.17	2,095,457.79	39° 58' 42.837 N	109° 22' 32.655 W
5,100.00	20.00	313.65	4,850.65	1,016.43	-1,065.35	14,522,407.32	2,095,432.62	39° 58' 43.070 N	109° 22' 32.973 W
5,155.43	20.00	313.65	4,902.74	1,029.52	-1,079.07	14,522,420.16	2,095,418.66	39° 58' 43.200 N	109° 22' 33.150 W
Start Drop -2.00									

Company:	Kerr McGee Oil and Gas Onshore LP	Local Co-ordinate Reference:	Well BONANZA 1023-6E3AS
Project:	Uintah County, UT UTM12	TVD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Site:	Bonanza 1023-6K Pad	MD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Well:	BONANZA 1023-6E3AS	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	PLAN #1	Database:	EDM5000-RobertS-Local

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,200.00	19.11	313.65	4,944.73	1,039.81	-1,089.86	14,522,430.25	2,095,407.68	39° 58' 43.301 N	109° 22' 33.288 W
5,300.00	17.11	313.65	5,039.78	1,061.27	-1,112.34	14,522,451.29	2,095,384.81	39° 58' 43.513 N	109° 22' 33.577 W
5,400.00	15.11	313.65	5,135.84	1,080.42	-1,132.42	14,522,470.08	2,095,364.39	39° 58' 43.703 N	109° 22' 33.835 W
5,500.00	13.11	313.65	5,232.82	1,097.25	-1,150.05	14,522,486.58	2,095,346.45	39° 58' 43.869 N	109° 22' 34.062 W
5,600.00	11.11	313.65	5,330.59	1,111.73	-1,165.23	14,522,500.78	2,095,331.01	39° 58' 44.012 N	109° 22' 34.257 W
5,700.00	9.11	313.65	5,429.04	1,123.84	-1,177.93	14,522,512.66	2,095,318.09	39° 58' 44.132 N	109° 22' 34.420 W
5,800.00	7.11	313.65	5,528.03	1,133.58	-1,188.13	14,522,522.21	2,095,307.71	39° 58' 44.228 N	109° 22' 34.551 W
5,900.00	5.11	313.65	5,627.46	1,140.92	-1,195.83	14,522,529.41	2,095,299.88	39° 58' 44.301 N	109° 22' 34.650 W
6,000.00	3.11	313.65	5,727.20	1,145.87	-1,201.02	14,522,534.26	2,095,294.61	39° 58' 44.350 N	109° 22' 34.716 W
6,100.00	1.11	313.65	5,827.12	1,148.41	-1,203.68	14,522,536.75	2,095,291.90	39° 58' 44.375 N	109° 22' 34.751 W
6,155.43	0.00	0.00	5,882.55	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
Start 2730.45 hold at 6155.43 MD									
6,200.00	0.00	0.00	5,927.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
6,300.00	0.00	0.00	6,027.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
6,400.00	0.00	0.00	6,127.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
6,500.00	0.00	0.00	6,227.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
6,600.00	0.00	0.00	6,327.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
6,700.00	0.00	0.00	6,427.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
6,733.88	0.00	0.00	6,461.00	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
MESAVERDE									
6,800.00	0.00	0.00	6,527.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
6,900.00	0.00	0.00	6,627.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
7,000.00	0.00	0.00	6,727.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
7,100.00	0.00	0.00	6,827.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
7,200.00	0.00	0.00	6,927.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
7,300.00	0.00	0.00	7,027.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
7,400.00	0.00	0.00	7,127.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
7,500.00	0.00	0.00	7,227.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
7,600.00	0.00	0.00	7,327.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
7,700.00	0.00	0.00	7,427.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
7,800.00	0.00	0.00	7,527.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
7,900.00	0.00	0.00	7,627.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
8,000.00	0.00	0.00	7,727.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
8,100.00	0.00	0.00	7,827.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
8,200.00	0.00	0.00	7,927.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
8,300.00	0.00	0.00	8,027.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
8,400.00	0.00	0.00	8,127.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
8,500.00	0.00	0.00	8,227.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
8,600.00	0.00	0.00	8,327.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
8,700.00	0.00	0.00	8,427.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
8,800.00	0.00	0.00	8,527.12	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
8,885.88	0.00	0.00	8,613.00	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W
TD at 8885.88 - BONANZA 1023-6E3AS PBHL									

Company:	Kerr McGee Oil and Gas Onshore LP	Local Co-ordinate Reference:	Well BONANZA 1023-6E3AS
Project:	Uintah County, UT UTM12	TVD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Site:	Bonanza 1023-6K Pad	MD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Well:	BONANZA 1023-6E3AS	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	PLAN #1	Database:	EDM5000-RobertS-Local

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BONANZA 1023-6E3AS - plan hits target center - Circle (radius 25.00)	0.00	0.00	8,613.00	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
2,425.03	2,337.00	8 5/8"	8.625	11.000	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,278.94	1,260.00	GREEN RIVER			
4,504.44	4,291.00	WASATCH			
6,733.88	6,461.00	MESAVERDE			

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
300	300	0	0	Start Build 2.00
1300	1280	119	-125	Start 3855.43 hold at 1300.00 MD
5155	4903	1030	-1079	Start Drop -2.00
6155	5883	1149	-1204	Start 2730.45 hold at 6155.43 MD
8886	8613	1149	-1204	TD at 8885.88

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well BONANZA 1023-6E3AS
Company:	Kerr McGee Oil and Gas Onshore LP	TVD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Project:	Uintah County, UT UTM12	MD Reference:	GL 5219 & RKB 14' @ 5233.00ft (ASSUMED)
Site:	Bonanza 1023-6K Pad	North Reference:	True
Well:	BONANZA 1023-6E3AS	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,885.88	0.00	0.00	8,613.00	1,148.78	-1,204.07	1,664.17	0.00	0.00	0.00
TD at 8885.88 - BONANZA 1023-6E3AS PBHL									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BONANZA 1023-6E3AS - plan hits target center - Circle (radius 25.00)	0.00	0.00	8,613.00	1,148.78	-1,204.07	14,522,537.12	2,095,291.50	39° 58' 44.378 N	109° 22' 34.756 W

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
2,425.03	2,337.00	8 5/8"	8.625	11.000	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,278.94	1,260.00	GREEN RIVER			
4,504.44	4,291.00	WASATCH			
6,733.88	6,461.00	MESAVERDE			

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
300.00	300.00	0.00	0.00	Start Build 2.00
1,300.00	1,279.82	119.26	-125.00	Start 3855.43 hold at 1300.00 MD
5,155.43	4,902.74	1,029.52	-1,079.07	Start Drop -2.00
6,155.43	5,882.55	1,148.78	-1,204.07	Start 2730.45 hold at 6155.43 MD
8,885.88	8,613.00	1,148.78	-1,204.07	TD at 8885.88

Bonanza 1023-6E3AS/ 1023-6J2AS/ 1023-6K1CS/ 1023-6K2BS/
 1023-6K2CS/ 1023-6L2AS/ 1023-6L2DS
 Kerr-McGee Oil Gas Onshore, L.P.

Bonanza 1023-6K Pad
 Surface Use Plan of Operations
 1 of 7

Kerr-McGee Oil & Gas Onshore. L.P.

Bonanza 1023-6F Pad

<u>API #</u>	<u>BONANZA 1023-6E3AS</u>		
	Surface:	1870 FSL / 1712 FWL	NESW Lot
	BHL:	2286 FNL / 507 FWL	SWNW Lot 5
<u>API #</u>	<u>BONANZA 1023-6J2AS</u>		
	Surface:	1907 FSL / 1728 FWL	NESW Lot
	BHL:	2556 FSL / 2100 FEL	NWSE Lot
<u>API #</u>	<u>BONANZA 1023-6K1CS</u>		
	Surface:	1915 FSL / 1732 FWL	NESW Lot
	BHL:	2170 FSL / 2228 FWL	NESW Lot
<u>API #</u>	<u>BONANZA 1023-6K2BS</u>		
	Surface:	1897 FSL / 1724 FWL	NESW Lot
	BHL:	2590 FSL / 1412 FWL	NESW Lot
<u>API #</u>	<u>BONANZA 1023-6K2CS</u>		
	Surface:	1888 FSL / 1720 FWL	NESW Lot
	BHL:	2165 FSL / 1485 FWL	NESW Lot
<u>API #</u>	<u>BONANZA 1023-6L2AS</u>		
	Surface:	1861 FSL / 1708 FWL	NESW Lot
	BHL:	2590 FSL / 541 FWL	NWSW Lot 6
<u>API #</u>	<u>BONANZA 1023-6L2DS</u>		
	Surface:	1852 FSL / 1704 FWL	NESW Lot
	BHL:	2087 FSL / 557 FWL	NWSW Lot 6

This Surface Use Plan of Operations (SUPO) or 13-point plan provides the site-specific information for the above-referenced wells. This information incorporates by reference the Master Development Plan (MDP) for Kerr-McGee Oil & Gas Onshore LP (KMG). The MDP is available upon request from the BLM-Vernal Field Office.

In accordance with Utah Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, these wells will be directionally drilled. Refer to Topo Map A for directions to the location and Topo Maps A and B for location of access roads within a 2-mile radius.

An on-site meeting was held on June 16, 2010. Present were:

- Dave Gordon, Suzanne Gray and Dan Emmett – BLM;
- John Slaugh, Brock Slaugh and Mitch Batty- Timberline Engineering & Land Surveying, Inc.; and
- Roger Parry, Clay Einerson, Grizz Oleen, Sheila Wopsock, Lovell Young, Grizz Oleen, Hal Blanchard, Lance Morton, Tim Donovan, Kathie Zehren, Laura Gianakos and Charles Chase – Kerr-McGee

Bonanza 1023-6E3AS/ 1023-6J2AS/ 1023-6K1CS/ 1023-6K2BS/
1023-6K2CS/ 1023-6L2AS/ 1023-6L2DS
Kerr-McGee Oil Gas Onshore, L.P.

Bonanza 1023-6K Pad
Surface Use Plan of Operations
2 of 7

A. Existing Roads:

A) Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

The following segments are "onlease", no ROW needed.

±1,940' (0.4 miles) – Section 6 T10S R23E (NE/4 SW/4) – On-lease UTU38419, from the end of the new road re-route to the southern section line boundary. Please refer to Topo B and Exhibit B2.

B. New or Reconstructed Access Roads:

See MDP for additional details on road construction.

±80' (0.02 miles) – Section 6 T10S R23E (NE/4 SW/4) – On-lease UTU38419, from the edge of pad a new road re-route will be constructed. Please refer to Topo B.

C. Location of Existing Wells:

A) Refer to Topo Map C.

D. Location of Existing and/or Proposed Facilities:

See MDP for additional details on Location of Existing and/or Proposed Facilities. Also, please refer to Exhibit B and Topo D- Pad and Pipeline Detail.

This pad will expand the existing pad for the Bonanza 6-2, which is a producing gas well according to Utah Division of Oil, Gas and Mining (UDOGM) records on December 29, 2010. Gathering (pipeline) infrastructure will be utilized to collect and transport gas and fluids from the wells which are owned and operated by Kerr McGee Oil and Gas Onshore LP (KMG).

GAS GATHERING

The gas gathering pipeline material: Steel line pipe with fusion bond epoxy coating. The total gas gathering pipeline distance from the meter to the tie in point is ±5,060' and the individual segments are broken up as follows:

The following segments are "onlease", no ROW needed.

±820' (0.2 miles) – Section 6 T10S R23E (NE/4 SW/4) – On-lease UTU38419, BLM surface, New 8" buried gas gathering pipeline from the meter to the edge of the pad. Please refer to Topo D- Pad and Pipeline Detail.
±2,020' (0.04 miles) – Section 6 T10S R23E (NE/4 SW/4) – On-lease UTU38419, BLM surface, New 8" buried gas gathering pipeline from the edge of the pad to the southern section and lease line boundary. Please refer to Topo D Pad and Pipeline Detail and Exhibit A1.

The following segments require a ROW.

±1,220' (0.2 miles) – Section 7 T10S R23E (NW/4 NE/4) – Lease UTU38420, BLM surface, New 8" buried gas gathering pipeline from the northern section line boundary to the tie-in at the new 12" buried gas gathering pipeline (NW/4 NE/4). Please refer to Exhibit A1, Line 16.
±1,000' (0.2 miles) – Section 7 T10S R23E (NW/4 NE/4) – Lease UTU38420, BLM surface, New 12" buried gas gathering pipeline from the tie-in (NW/ NE/4) to the tie-in at the existing 16" buried gas gathering pipeline (SE/4 NW/4). Please refer to Exhibit A1, Line 15.

LIQUID GATHERING

The total liquid gathering pipeline distance from the separator to the tie in point is $\pm 5,060'$ and the individual segments are broken up as follows:

The following segments are "onlease", no ROW needed.

- $\pm 820'$ (0.2 miles) – Section 6 T10S R23E (NE/4 SW/4) – On-lease UTU38419, BLM surface, New 6" buried liquid gathering pipeline from the separator to the edge of the pad. Please refer to Topo D Pad and Pipeline Detail.
- $\pm 2,020'$ (0.04 miles) – Section 6 T10S R23E (NE/4 SW/4) – On-lease UTU38419, BLM surface, New 6" buried liquid gathering pipeline from the edge of the pad to the southern section and lease line boundary. Please refer to Topo D Pad and Pipeline Detail and Exhibit B, Line 6.

The following segments require a ROW.

- $\pm 2,220'$ (0.4 miles) – Section 7 T10S R23E (NW/4 NE/4) – Lease UTU38420, BLM surface, New 6" buried liquid gathering pipeline from the northern section line boundary to the tie-in at the existing buried liquid gathering line (SE/4 NW/4 of section 7).

The liquid gathering lines will be made of polyethylene or a composite polyethylene/steel or polyethylene/fiberglass that is not subject to internal or external pipe corrosion. The content of the produced fluids to be transferred by the liquid gathering system will be approximately 92% produced water and 8% condensate. Trunk line valve connections for the water gathering system will be below ground but accessible from the surface in order to prevent freezing during winter time.

The proposed buried pipelines will be constructed utilizing existing disturbance when possible. The area of disturbance during construction from the edge of road or well pad will be 30' in width. The total pipeline disturbance width will be 30'. Where possible there will be no additional disturbance during construction, as the road will be utilized for construction vehicles. The liquid and gas gathering lines will be in the same trench.

The proposed trench width for the pipeline would range from 18-48 inch and will be excavated to a depth of 48 to 60 inches of normal soil cover or 24 inches of cover in consolidated rock. The pipeline will be welded or zap locked along the proposed right-of-way and lowered into place. During construction blasting may occur along the proposed right-of-way when trenching equipment can not cut into the bedrock. Large debris and rocks removed from the earth during trenching and blasting that could not be returned to the trench would be distributed evenly and naturally in the project area. The proposed buried pipeline will be visually and radiographically inspected and the entire pipeline will be pneumatically tested before being placed into service.

Upon completion of the proposed buried pipeline, the entire area of disturbance will be reclaimed to the standards proposed in the Green River District Reclamation Guidelines. Please refer to the MDP for more details regarding final reclamation. Pipeline signs will be installed along the right-of-way to indicate the pipeline proximity, ownership, and to provide emergency contact phone numbers. Above ground valves and lateral T's will be installed at various locations to connect the new line to existing facilities and/or for safety purposes. Kerr-McGee requests for a permanent 30' right-of-way that will be maintained for the portion adjacent to the road. The need for the 30' permanent right-of-way is for maintenance and repairs.

When no longer serving a useful purpose, Kerr-McGee or it's successor will consult with the BLM, Vernal Field Office before termination.

The Anadarko Completions Transportation System (ACTS) information:

See MDP for additional details on the ACTS System.

Upon completion of the wells on this pad, Kerr-McGee is also requesting to utilize this pit as an Anadarko Completion Transport System (ACTS) staging pit which will be utilized for other completion operations in the area. The ACTS process will reduce the amount of truck traffic on a field-wide basis, also reducing vehicle emissions and fugitive dust generation.

Kerr-McGee will use ACTS to optimize the completion processes for multiple pads across the project area which may include up to a section of development. ACTS will facilitate management of frac fluids by utilizing existing reserve pits and temporary, surface-laid aluminum liquids transfer lines between frac locations. The refurbished pit will be relined per the guidelines in the MDP. The pit will be refurbished as follows: mix and pile up drill cuttings with dry dirt, bury the original liner in the pit, walk bottom of pit with cat. Kerr-McGee will reline the pit with a 30 mil liner and double felt padding. The refurbished pit will be the same size or smaller as specified in the originally approved ROW/APD. The pit refurb will be done in a normal procedure and there will be no modification to the pit that does not coincide with Kerr-McGee's MDP. Hog fence panels (5' X 16') will be built and painted shadow gray and will be put up on the work side of the pit. Polypropylene netting will be installed over all pits. There will be two 500 bbl temporary frac tanks placed on the location. The trucks will unload water into these tanks before the water is placed into the refurbished pit. The

purpose of the temporary frac tanks is to collect any hydro-carbons that may have been associated with the other completion operations before releasing into the pit. The collected hydrocarbons will be treated and sold at approved sales facilities. A loading rack with drip containment will be also be installed where water trucks would unload and load to prevent damage caused from pulling hoses in and out of the pit .

ACTS will require temporarily laying multiple 6" aluminum water transfer lines on the surface between either existing or refurbished reserve pits. Please see the attached ACTS exhibit C for placement of the proposed temporary lines. The temporary aluminum transfer lines will be utilized to transport frac fluid being injected and/or recovered during the completion process and will be laid adjacent to existing access roads. Upon completion of the frac operation, the liquids transfer lines will be flushed with fresh water and purged with compressed air. The contents of the transfer lines will be flushed into a water truck for delivery to another ACTS location or a reserve pit.

The volume of frac fluid transported through a water transfer line will vary, but volume is projected to be approximately 1.75 bbls per 50-foot joint. Although the maximum working pressure is 125 psig, the liquids transfer lines will be operated at a pressure of approximately 30 to 40 psig.

Kerr-McGee requests to keep this netted pit open for one year. During this time the surrounding well location completion fluids may be recycled in this pit and utilized for other frac jobs in the area. After one year Kerr-McGee will backfill the pit and reclaim as stated in the MDP. Kerr-McGee understands that due to the temporary nature of this system, BLM considers this a casual use situation; therefore, no permanent ROW or temporary use plan will need to be issued by the BLM.

E. Location and Types of Water Supply:

See MDP for additional details on Location and Type of Water Supply.

Water for drilling and completion operations will be obtained from the following sources:

Permit # 49-2307	JD Field Services	Green River- Section 15, T2N, R22E
Permit # 49-2321	R.N. Industries	White River- Section 2, T10S, R24E

Bonanza 1023-6E3AS/ 1023-6J2AS/ 1023-6K1CS/ 1023-6K2BS/
1023-6K2CS/ 1023-6L2AS/ 1023-6L2DS
Kerr-McGee Oil Gas Onshore, L.P.

Bonanza 1023-6K Pad
Surface Use Plan of Operations
5 of 7

Permit # 49-2319

R.N. Industries

White River- Various Sources

Permit # 49-2320

R.N. Industries

Green River- Section 33, T8S, R23E

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

F. Construction Materials:

See MDP for additional details on Source of Construction Materials.

G. Methods for Handling Waste:

See MDP for additional details on Methods of Handling Waste Materials

Fluids disposal and pipeline/haul routes are depicted on Topo Map A.

Any produced water separated from recoverable condensate from the proposed well will be contained in a water tank and will then be transported by pipeline and/or truck to one of the pre-approved disposal sites:

RNI in Sec. 5 T9S R22E

NBU #159 in Sec. 35 T9S R21E

Ace Oilfield in Sec. 2 T6S R20E

MC&MC in Sec. 12 T6S R19E

Pipeline Facility in Sec. 36 T9S R20E

Goat Pasture Evaporation Pond in SW/4 Sec. 16 T10S R22E

Bonanza Evaporation Pond in Sec. 2 T10S R23E

Or to one of the following Kerr-McGee active Salt Water Disposal (SWD) wells:

NBU 159 SWD in Sec. 35 T9S R21E

CIGE 112D SWD in Sec. 19 T9S R21E

CIGE 114 SWD in Sec. 34 T9S R21E

NBU 921-34K SWD in Sec. 34 T9S R21E

NBU 921-33F SWD in Sec. 34 T9S R21E

H. Ancillary Facilities:

See MDP for additional details on Ancillary Facilities.

None are anticipated.

I. Well Site Layout:

See MDP and Well Pad Design Summary for additional details on Well Site Layout.

J. Plans for Surface Reclamation:

See MDP for additional details on Plans for Reclamation of the Surface.

Site Specific Reclamation Considerations:

Bonanza 1023-6E3AS/ 1023-6J2AS/ 1023-6K1CS/ 1023-6K2BS/
 1023-6K2CS/ 1023-6L2AS/ 1023-6L2DS
 Kerr-McGee Oil Gas Onshore, L.P.

Bonanza 1023-6K Pad
 Surface Use Plan of Operations
 6 of 7

Reclamation Monitoring Reference Point for all wells on Pad (where a reclamation monitoring point has not been established at the time of APD submission, it will be submitted for approval under separate cover prior to surface disturbing activities):

Seed Mix to be used for Well Site, Access Road, and Pipeline (as applicable):

Bonanza Area Mix	Pure Live Seed lbs/acre
Crested Wheat (Hycrest)	2
Bottlebrush Squirrelnail	1
Western Wheatgrass (Arriba)	1
Indian Ricegrass	1
Fourwing Saltbush	2
Shadscale	2
Forage Kochia	0.25
Rocky Mountain Bee Plant	0.5
Total	9.75

K. Surface/Mineral Ownership:

United States of America
 Bureau of Land Management
 170 South 500 East
 Vernal, UT 84078
 (435)781-4400

L. Other Information:

See MDP for additional details on Other Information.

Onsite Specifics:

- Construction: 30 Mil Double Felt
- Facilities: Will be painted Shadow Grey
- Top Soil: Need to save 4" topsoil

Resource Reports:

A Class I literature survey was completed on August 20, 2010 by Montgomery Archaeological Consultants, Inc (MOAC). For additional details please refer to report MOAC 10-066b.

A paleontological reconnaissance survey was completed on May 11, 2010 by SWCA Environmental Consultants. For additional details please refer to report UT10-14314-28.

Biological field survey was completed on May 3, 2010 by Grasslands Consulting, Inc (GCI). For additional details please refer to report GCI-218.

Right-of-Ways (ROW):

See MDP for additional information on ROW

M. Lessee's or Operators' Representative & Certification:

Gina T. Becker
Regulatory Analyst II
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6086

Tommy Thompson
General Manager, Drilling
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

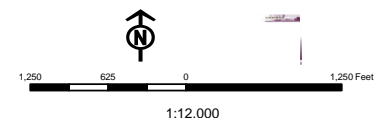
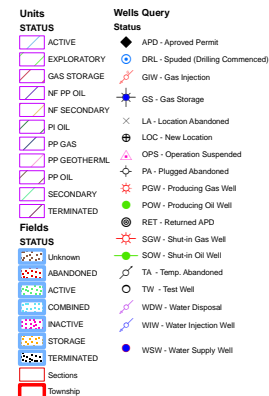


Gina T. Becker

December 29, 2010

Date

Map Produced by Diana Mason



WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/4/2011

API NO. ASSIGNED: 43047514640000

WELL NAME: BONANZA 1023-6E3AS

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995)

PHONE NUMBER: 720 929-6086

CONTACT: Gina Becker

PROPOSED LOCATION: NESW 06 100S 230E

Permit Tech Review: ☒

SURFACE: 1870 FSL 1712 FWL

Engineering Review: ☒

BOTTOM: 2286 FNL 0507 FWL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 39.97582

LONGITUDE: -109.37217

UTM SURF EASTINGS: 639007.00

NORTHINGS: 4426133.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU38419

PROPOSED PRODUCING FORMATION(S): WASATCH-MESA VERDE

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☒ **PLAT**
- ☒ **Bond:** FEDERAL - WYB000291
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☒ **Water Permit:** Permit #43-8496
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☒ **Intent to Commingle**

Commingle Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**
- Unit:**
- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☒ **Drilling Unit**
- Board Cause No:** Cause 179-14
- Effective Date:** 6/12/2008
- Siting:** 460' Fr Exterior Drilling Unit Boundary
- ☒ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 3 - Commingle - ddoucet
4 - Federal Approval - dmason
15 - Directional - dmason



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: BONANZA 1023-6E3AS

API Well Number: 43047514640000

Lease Number: UTU38419

Surface Owner: FEDERAL

Approval Date: 1/19/2011

Issued to:

KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 179-14. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Commingling:

In accordance with Board Cause No. 179-14, commingling of the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 04 2011

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU38419
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator KERR MCGEE OIL & GAS ONSHORE		7. If Unit or CA Agreement, Name and No.
Contact: GINA T BECKER Email: GINA.BECKER@ANADARKO.COM		8. Lease Name and Well No. BONANZA 1023-6E3AS
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 720-929-6086 Fx: 720-929-7086	9. API Well No. 43-047-51464
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NESW 1870FSL 1712FWL 39.97581 N Lat, 109.37270 W Lon At proposed prod. zone Lot 5 2286FNL 507FWL 39.97896 N Lat, 109.37700 W Lon		10. Field and Pool, or Exploratory NATURAL BUTTES BONANZA
14. Distance in miles and direction from nearest town or post office* APPROXIMATELY 51.7 MILES SOUTH OF VERNAL, UTAH		11. Sec., T., R., M., or Blk. and Survey or Area Sec 6 T10S R23E Mer SLB SME: BLM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 507	16. No. of Acres in Lease 516.80	12. County or Parish UINTAH
17. Spacing Unit dedicated to this well	13. State UT	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 884	19. Proposed Depth 8886 MD 8613 TVD	20. BLM/BIA Bond No. on file WYB000291
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5221 GL	22. Approximate date work will start 06/30/2011	23. Estimated duration 60-90 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) GINA T BECKER Ph: 720-929-6086	Date 01/04/2011
Title REGULATORY ANALYST II		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date NOV 07 2011
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

Additional Operator Remarks (see next page)

NOV 28 2011

Electronic Submission #99935 verified by the BLM Well Information System
For KERR MCGEE OIL & GAS ONSHORE L, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 01/05/2011 (11RRH0724AE)

UDOGM

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

10RRH0295AE

NOV 4/26/2010



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr McGee Oil & Gas Onshore
Well No: 1023-6E3AS
API No: 43-047-51464

Location: NESW, Sec. 6, T10S, R23E
Lease No: UTU-38419
Agreement: N/A

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov .
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

General Conditions of Approval

- Kerr McGee will adhere to all applicant committed conservation measures and conservation recommendations that are stated in the USFW's "Final Biological Opinion for the Anadarko Petroleum Corporation Natural Buttes Unit and Bonanza Area Natural Gas Development Project.
- The Operator will follow the Green River District Reclamation Guidelines for Reclamation.
- During operations if any vertebrate paleontological resources are discovered, in accordance with Section 6 of Form 3100-11 and 43 CFR 3162.1, all operations affecting such sites shall be immediately suspended, and all discoveries shall be left intact until authorized to proceed by the Authorized Officer. The appropriate Authorized Officer of the Vernal BLM office shall be notified within 48 hours of the discovery, and a decision as to the preferred alternative/course of action will be rendered.

Site Specific COA's

- All vehicles and equipment shall be cleaned either through power-washing, or other approved method, if the vehicles or equipment were previously operated outside the Uinta Basin, to prevent weed seed introduction.
- All disturbance areas shall be monitored for noxious weeds annually, for a minimum of three growing seasons following completion of project or until desirable vegetation is established.
- Noxious and invasive weeds will be controlled throughout the area of project disturbance.
- Noxious weeds will be inventoried and reported to BLM in the annual reclamation report. Where an integrated pest management program is applicable, coordination has been undertaken with the state and local management program (if existing). A copy of the pest management plan will be submitted for each project.
- A pesticide use permit (PUP) will be obtained for the project, if applicable.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- A copy of Kerr McGee's Standard Operating Practices (SOP version: dated 7/17/08 and approved 7/28/08) shall be on location.
- Surface casing cement shall be brought to surface.
- Production casing cement shall be brought 200' up and into the surface casing.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each

encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU38419			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: BONANZA 1023-6E3AS			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1870 FSL 1712 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 06 Township: 10.0S Range: 23.0E Meridian: S		9. API NUMBER: 43047514640000			
5. MATERIAL BUTTES		9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
COUNTY: UTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/19/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.					
<div style="color: red; font-weight: bold;"> Approved by the Utah Division of Oil, Gas and Mining January 23, 2012 </div> <div style="color: red; font-weight: bold;"> Date: _____ By: _____ </div>					
NAME (PLEASE PRINT) Danielle Piernot		PHONE NUMBER 720 929-6156			
SIGNATURE N/A		TITLE Regulatory Analyst			
DATE 1/17/2012					



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047514640000

API: 43047514640000

Well Name: BONANZA 1023-6E3AS

Location: 1870 FSL 1712 FWL QTR NESW SEC 06 TWP 100S RNG 230E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 1/19/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Danielle Piernot

Date: 1/17/2012

Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU38419
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: BONANZA 1023-6E3AS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1870 FSL 1712 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 06 Township: 10.0S Range: 23.0E Meridian: S		9. API NUMBER: 43047514640000
PHONE NUMBER: 720 929-6514		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 3/8/2012	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU TRIPPLE A BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL ON 03/08/2012 AT 1330 HRS.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 16, 2012		
NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 3/14/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU38419																														
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:																														
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME:																														
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: BONANZA 1023-6E3AS																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1870 FSL 1712 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 06 Township: 10.0S Range: 23.0E Meridian: S		9. API NUMBER: 43047514640000																														
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		9. FIELD and POOL or WILDCAT: NATURAL BUTTES																														
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/18/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR																														
<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME																														
<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE																														
<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION																														
<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK																														
<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION																														
<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON																														
<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL																														
<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION																														
<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>																														
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator requests approval for changes in the drilling plan. Specifically, the operator requests approval for a closed loop drilling option, a surface casing change and a production casing change. All other aspects of the previously approved drilling plan will not change. Please see the attachment. Thank you.																																
NAME (PLEASE PRINT) Jaime Scharnowske		PHONE NUMBER 720 929-6304																														
SIGNATURE N/A		TITLE Regulatory Analyst																														
DATE 3/19/2012		Accepted by the Utah Division of Oil, Gas and Mining Date: March 20, 2012 By: <u>Derek Quist</u>																														

Kerr-McGee Oil & Gas Onshore. L.P.**BONANZA 1023-6E3AS**

Surface: 1870 FSL / 1712 FWL NESW
BHL: 2286 FNL / 507 FWL SWNW

Section 6 T10S R23E

Uintah County, Utah
Mineral Lease: UTU-38419

ONSHORE ORDER NO. 1**DRILLING PROGRAM**

1. & 2. **Estimated Tops of Important Geologic Markers:**
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Formation</u>	<u>Depth</u>	<u>Resource</u>
Uinta	0 - Surface	
Green River	1,260'	
Birds Nest	1,524'	Water
Mahogany	1,887'	Water
Wasatch	4,291'	Gas
Mesaverde	6,461'	Gas
Sego	8,613'	Gas
TVD	8,613'	
TD	8,886'	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program

6. **Evaluation Program:**

Please refer to the attached Drilling Program

7. Abnormal Conditions:

Maximum anticipated bottom hole pressure calculated at 8613' TVD, approximately equals
5,512 psi (0.64 psi/ft = actual bottomhole gradient)

Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

Maximum anticipated surface pressure equals approximately 3,605 psi (bottom hole pressure
minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

Per Onshore Order No. 2 - Max Anticipated Surf. Press. (MASP) = (Pore Pressure at next csg point -
(0.22 psi/ft-partial evac gradient x TVD of next csg point))

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please refer to the attached Drilling Program.
Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- Blowout Prevention Equipment (BOPE) requirements;
- Mud program requirements; and
- Special drilling operation (surface equipment placement) requirements associated with air drilling.

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12 1/4 inch hole for the first 200 feet, then will drill a 11 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 11 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 8-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and

on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Variance for FIT Requirements

KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please refer to the attached Drilling Program.



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS			
						LTC		DQX	
						BURST	COLLAPSE	TENSION	
CONDUCTOR	14"	0-40'							
SURFACE	8-5/8"	0 to 2,340	28.00	IJ-55	LTC	3,390	1,880	348,000	N/A
						2.31	1.72	6.07	N/A
PRODUCTION	4-1/2"	0 to 5,000	11.60	I-80	DQX	7,780	6,350	223,000	267,000
						1.11	1.13		3.20
	4-1/2"	5,000 to 8,886'	11.60	I-80	LTC	1.11	1.13	6.12	

Surface Casing:

(Burst Assumptions: TD = 12.5 ppg) 0.73 psi/ft = frac gradient @ surface shoe

Fracture at surface shoe with 0.1 psi/ft gas gradient above

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @ 7000 psi) 0.64 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	180	60%	15.80	1.15
	TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele	270	0%	15.80	1.15
NOTE: If well will circulate water to surface, option 2 will be utilized							
SURFACE Option 2	LEAD	1,840'	65/35 Poz + 6% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOW	170	35%	11.00	3.82
	TAIL	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	150	35%	15.80	1.15
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.80	1.15
PRODUCTION	LEAD	3,786'	Premium Lite II +0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	300	35%	12.00	3.38
	TAIL	5,100'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1,210	35%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe
PRODUCTION	Float shoe, 1 jt, float collar. 15 centralizers for a Mesaverde and 20 for a Blackhawk well. 1 centralizer on the first 3 joints and one every third joint thereafter.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Nick Spence / Danny Showers / Chad Loesel

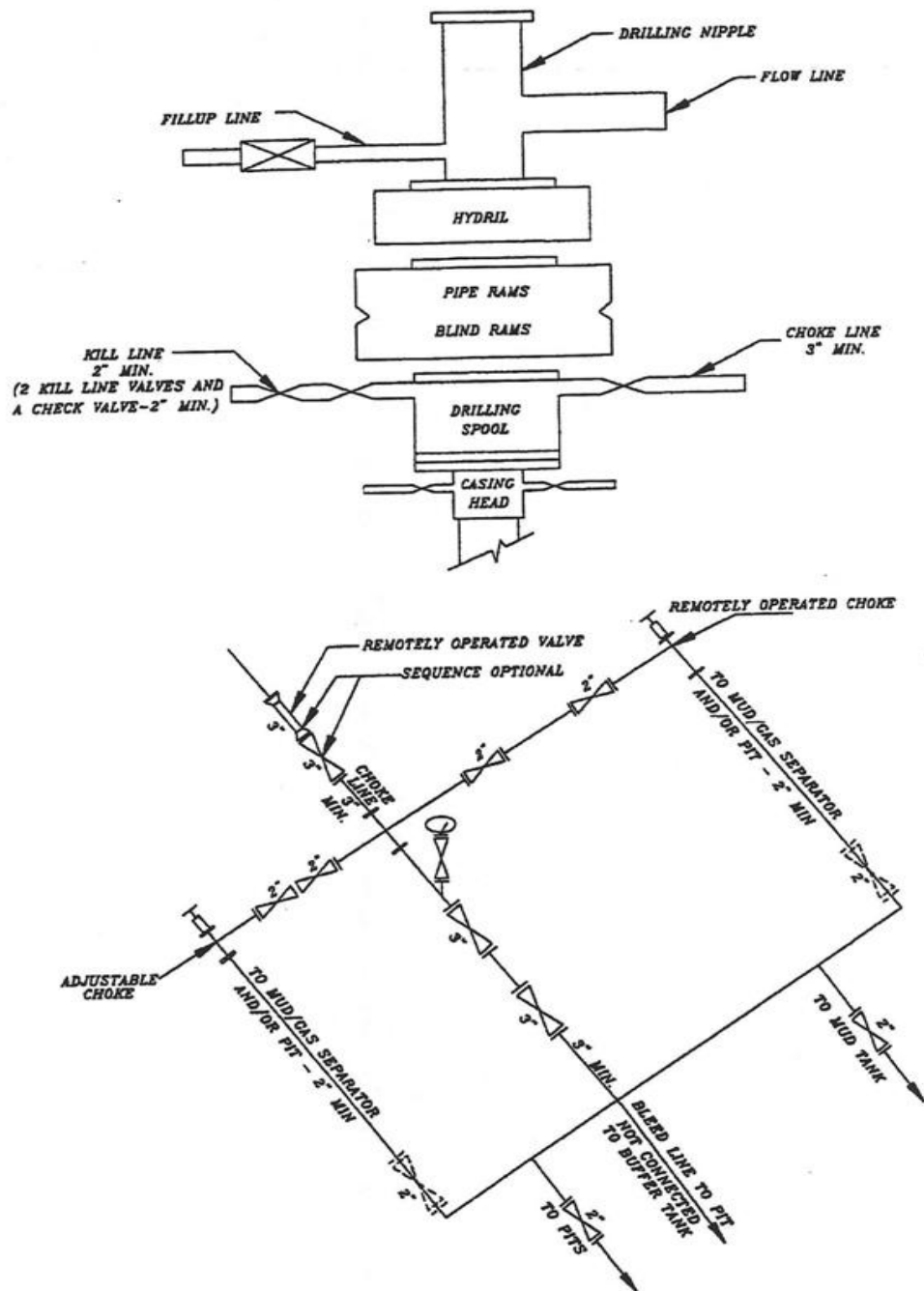
DATE: _____

DRILLING SUPERINTENDENT:

Kenny Gathings / Lovel Young

DATE: _____

EXHIBIT A
BONANZA 1023-6E3AS



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

Requested Drilling Options:

Kerr-McGee will use either a closed loop drilling system that will require one pit and one cuttings storage area to be constructed on the drilling pad or a traditional drilling operation with one pit used for drilling and completion operations. The cuttings storage area will be used to contain only the de-watered drill cuttings and will be lined and bermed to prevent any liquid runoff. The drill cuttings will be buried in the completion pit once completion operations are completed according to traditional pit closure standards. The pit will be constructed to allow for completion operations. The completion operations pit will be lined with a synthetic material 20 mil or thicker and will be used for the completing of the wells on the pad or used as part of our Aandarko Completions Transportation System (ACTS). Using the closed loop drilling system will allow Kerr-McGee to decrease the amount of disturbance/footprint on location compared to a single large drilling/completions pit.

If Kerr-McGee does not use a closed loop drilling system, it will construct a traditional drilling/completions pit to contain drill cuttings and for use in completion operations. The pit will be lined with a synthetic material 20 mil or thicker. The drill cuttings will be buried in the pit using traditional pit closure standards.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU38419
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: BONANZA 1023-6E3AS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1870 FSL 1712 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 06 Township: 10.0S Range: 23.0E Meridian: S		9. API NUMBER: 43047514640000
PHONE NUMBER: 720 929-6514		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 3/20/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU AIR RIG ON MARCH 18, 2012. DRILLED SURFACE HOLE TO 2,550'. RAN SURFACE CASING AND CEMENTED. WELL IS WAITING ON ROTARY RIG. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH WELL COMPLETION REPORT.		
NAME (PLEASE PRINT) Jaime Scharnowske		PHONE NUMBER 720 929-6304
SIGNATURE N/A		TITLE Regulatory Analyst
DATE 3/21/2012		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 26, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078 Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304751468	BONANZA 1023-6K2CS		NESW	6	10S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	18453	3/8/2012			3/20/2012	
Comments: MIRU TRIPPLE A BUCKET RIG. <u>WSMVD</u> SPUD WELL ON 03/08/2012 AT 1700 HRS. <u>BHL NESW</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304751464	BONANZA 1023-6E3AS		NESW	6	10S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	18454	3/8/2012			3/20/2012	
Comments: MIRU TRIPPLE A BUCKET RIG. <u>WSMVD</u> SPUD WELL ON 03/08/2012 AT 1330 HRS. <u>BHL SWNW</u>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304751469	BONANZA 1023-6L2AS		NESW	6	10S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	18455	3/8/2012			3/20/2012	
Comments: MIRU TRIPPLE A BUCKET RIG. <u>WSMVD</u> SPUD WELL ON 03/08/2012 AT 1030 HRS. <u>BHL NWSW</u>							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA WOPSOCK

Name (Please Print)

Signature

REGULATORY ANALYST

Title

3/13/2012

Date

RECEIVED

MAR 15 2012

Div. of Oil, Gas & Mining

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU38419
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: BONANZA 1023-6E3AS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1870 FSL 1712 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 06 Township: 10.0S Range: 23.0E Meridian: S		9. API NUMBER: 43047514640000
PHONE NUMBER: 720 929-6514		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/13/2012	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div> <div style="text-align: right; margin-top: 10px;"> OTHER: <input style="width: 100px;" type="text"/> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 70%;"> <p>MIRU ROTARY RIG. FINISHED DRILLING FROM 2550' TO 8985' ON 5/12/2012. RAN 4-1/2" 11.6# I-80 PRODUCTION CASING. CEMENTED PRODUCTION CASING. RELEASED XTREME 12 RIG ON 5/13/2012 @ 19:00 HRS. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH THE WELL COMPLETION REPORT. WELL IS WAITING ON FINAL COMPLETION ACTIVITIES.</p> </div> <div style="width: 25%; text-align: center;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>May 15, 2012</p> </div> </div>		
NAME (PLEASE PRINT) Cara Mahler	PHONE NUMBER 720 929-6029	TITLE Regulatory Analyst I
SIGNATURE N/A	DATE 5/15/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU38419
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: BONANZA 1023-6E3AS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1870 FSL 1712 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 06 Township: 10.0S Range: 23.0E Meridian: S		9. API NUMBER: 43047514640000
PHONE NUMBER: 720 929-6514		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/6/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No activity for the month of June 2012. Well TD at 8,985'.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 10, 2012		
NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 7/6/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU38419
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: BONANZA 1023-6E3AS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1870 FSL 1712 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 06 Township: 10.0S Range: 23.0E Meridian: S		9. API NUMBER: 43047514640000
5. FIELD and POOL or WILDCAT: NATURAL BUTTES		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/2/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No activity for the month of July 2012. Well TD at 8,985'.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 02, 2012		
NAME (PLEASE PRINT) Cara Mahler	PHONE NUMBER 720 929-6029	TITLE Regulatory Analyst I
SIGNATURE N/A	DATE 8/2/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU38419
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: BONANZA 1023-6E3AS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1870 FSL 1712 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 06 Township: 10.0S Range: 23.0E Meridian: S		9. API NUMBER: 43047514640000
PHONE NUMBER: 720 929-6514		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/27/2012	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON AUGUST 27, 2012 AT 17:00 HOURS. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.		
NAME (PLEASE PRINT) Jaime Scharnowske		PHONE NUMBER 720 929-6304
SIGNATURE N/A		TITLE Regulatory Analyst
DATE 8/31/2012		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 31, 2012

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																																																							
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU38419																																																							
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:																																																							
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME:																																																							
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: BONANZA 1023-6E3AS																																																							
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1870 FSL 1712 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 06 Township: 10.0S Range: 23.0E Meridian: S		9. API NUMBER: 43047514640000																																																							
5. FIELD and POOL or WILDCAT: NATURAL BUTTES		9. FIELD and POOL or WILDCAT: NATURAL BUTTES																																																							
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		COUNTY: UTAH																																																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">TYPE OF SUBMISSION</th> <th colspan="4">TYPE OF ACTION</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: </td> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td colspan="2"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td style="vertical-align: top;"> <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: </td> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td colspan="2"><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td style="vertical-align: top;"> <input type="checkbox"/> SPUD REPORT Date of Spud: </td> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td colspan="2"><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td style="vertical-align: top;"> <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/4/2012 </td> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td colspan="2"><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td></td> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td colspan="2"><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td></td> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td colspan="2"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td></td> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td colspan="2"><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td></td> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td colspan="2"><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td></td> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td colspan="2"><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td></td> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td colspan="2">OTHER: <input style="width: 100px;" type="text"/></td> </tr> </tbody> </table>			TYPE OF SUBMISSION	TYPE OF ACTION				<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR		<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME		<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE		<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/4/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION			<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK			<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION			<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON			<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL			<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION			<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	
TYPE OF SUBMISSION	TYPE OF ACTION																																																								
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR																																																						
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME																																																						
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE																																																						
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/4/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION																																																						
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK																																																						
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION																																																						
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON																																																						
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL																																																						
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION																																																						
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>																																																						
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Well was completed, finishing well completion report. Well TD at 8,985																																																									
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 06, 2012																																																									
NAME (PLEASE PRINT) Lindsey Frazier		PHONE NUMBER 720 929-6857																																																							
SIGNATURE N/A		TITLE Regulatory Analyst II																																																							
DATE 9/4/2012																																																									

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU38419

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
UTU88209A

2. Name of Operator
KERR MCGEE OIL & GAS ONSHORE Mail: cara.mahler@anadarko.com

Contact: CARA MAHLER

8. Lease Name and Well No.
BONANZA 1023-6E3AS ✓

3. Address 1099 18TH STREET, SUITE 1800
DENVER, CO 80202

3a. Phone No. (include area code)
Ph: 720-929-6029

9. API Well No.
43-047-51464

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface NESW 1870FSL 1712FWL 39.975806 N Lat, 109.372704 W Lon

At top prod interval reported below SWNW 2291FNL 507FWL

At total depth SWNW Lot 5 2293FNL 522FWL BHL by HGM

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey
or Area Sec 6 T10S R23E Mer SLB

12. County or Parish
UINTAH

13. State
UT

14. Date Spudded
03/08/2012

15. Date T.D. Reached
05/12/2012

16. Date Completed
☐ D & A ☒ Ready to Prod.
08/23/2012

17. Elevations (DF, KB, RT, GL)*
5219 GL

18. Total Depth: MD 8985
TVD 8656

19. Plug Back T.D.: MD 8930
TVD 8601

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL/GR/CCL/TEMP

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Shurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STL	36.7	0	40		28			
11.000	8.625 IJ-55	28.0	0	2516		1150		0	
7.875	4.500 I-80	11.6	0	8975		1495		2300	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	8378							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	6161	6631	6161 TO 6631	0.360	48	OPEN
B) MESAVERDE	7460	8797	7460 TO 8797	0.360	144	OPEN
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6161 TO 8797	PUMP 8,647 BBLs SLICK H2O & 186,000 LBS 30/50 OTTAWA SAND

RECEIVED

SEP 25 2012

28. Production - Interval A

DIV. OF OIL GAS & MINING

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/27/2012	08/29/2012	24	→	0.0	1969.0	0.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	1500	1997.0	→	0	1969	0		PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #151001 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GREEN RIVER BIRD'S NEST MAHOGANY WASATCH MESAVERDE	1244 1527 2004 4598 6769

32. Additional remarks (include plugging procedure):

The first 210 ft. of the surface hole was drilled with a 12 ? in. bit. The remainder of the surface hole was drilled with an 11 in. bit. DQX csg was run from surface to 5,011 ft.; LTC csg was run from 5,011 ft. to 8,975 ft. Attached is the chronological well history, perforation report & final survey.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7. Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #151001 Verified by the BLM Well Information System.
For KERR MCGEE OIL & GAS ONSHORE L, sent to the Vernal**

Name (please print) CARA MAHLER Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) Date 09/19/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW/0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
3/18/2012	0:00 - 2:00	2.00	DRLSUR	01	C	P		SKID RIG TO LOCATON. RIG UP
	2:00 - 4:30	2.50	DRLSUR	01	B	P		WELD ON HEAD, RIG UP BLOWIE LINE
	4:30 - 5:00	0.50	DRLSUR	01	B	P		PU 12.25" BHA
	5:00 - 7:00	2.00	DRLSUR	02	D	P		SPUD
								DRLG 12.25" SURFACE HOLE F/40' T/ 210'
								ROP=110 ' @ FPH
								WOB= 24-28K
								RPM= 55/105
								SPP= 900/520
								GPM= 620
								TRQ= 2800/1700
								PU/SO/RT= 28/23/26
	7:00 - 8:30	1.50	DRLSUR	06	A	P		TOH FOR DIR TOOLS. LAY DOW 12.25", PU 11.00"
								AND DIR TOOLS
	8:30 - 9:00	0.50	DRLSUR	06	A	P		TIH
	9:00 - 0:00	15.00	DRLSUR	02	D	P		DRLG 11.00" SURFACE HOLE F/ 210' T/ 1790'
								ROP=105 ' @ FPH
								WOB= 24-28K
								RPM= 55/105
								SPP= 1150/900
								GPM= 605
								TRQ= 2800/1700
								PU/SO/RT= 90/73/80
3/19/2012	0:00 - 9:00	9.00	DRLSUR	02	D	P		LOST CIRC 1720', ON AIR 900CFM
								DRLG 11.00" SURF HOLE F/ 1720' T/ 2550'
								ROP=105 ' @ FPH
								WOB= 24-28K
								RPM= 55/105
								SPP= 1150/870
								GPM= 605
								TRQ= 2800/1700
								PU/SO/RT= 89/74/84
								ON AIR 1000CFM
	9:00 - 10:00	1.00	DRLSUR	05	C	P		CIRC PRIOR TO TRIP
	10:00 - 13:30	3.50	DRLSUR	06	D	P		POOH, LAY DOWN BIT AND DIR TOOLS, RIG UP TO
								RUN CSG
	13:30 - 17:00	3.50	DRLSUR	12	C	P		PJSM /// RUN 58 JT'S, 8-5/8", 28#, J-55, LT&C CSG
								/// SHOE SET @ 2500' /// BAFFLE @ 2454'.
								ORIGINAL CSG DEPTH 2521'. COULD NOT GET
								LAST JOINT DOWN. 21.10 FOOT SHORT.
								COMMUNICATION WITH THE BONANZA 6-2, DURING
								CASING RUN. WILL CEMENT CURRENT WELL, AND
								PRIOR 2 WELLS TO SURFACE.
	17:00 - 0:00	7.00	DRLSUR	12	E	P		PJSM /// RIG UP AND START CEMENTING CURRENT
								WELL TO SURFACE, AND WELLS 1 AND 2 ON PAD
								TO SURFACE.

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
3/20/2012	0:00 - 6:00	6.00		13	A	P		<p>//PJSM// PRESSURE TEST LINES TO 2000 PSI. PUMP 150 BBLS OF WATER AHEAD. PUMP 20 BBLS OF 8.3# GEL WATER AHEAD. PUMP (300 SX) 61.4 BBLS OF 15.8# 1.15 YD 5 GAL/SK PREMIUM CEMENT. DROP PLUG ON FLY. DISPLACE W/ 154.5 BBLS OF H2O. FINAL LIFT OF 500 PSI AT 4 BBL/MIN. BUMP PLUG W/800 PSI HELD FOR 5 MIN. FLOAT DID HOLD. PUMP (600 SX) 123 BBLS OF SAME TAIL CEMENT W/ 4% CALC. OVER 5 TOP OUTS DOWN BACKSIDE. WAIT 1.5 HOURS, IN BETWEEN EACH TOP OUT, SHUT DOWN AND CLEAN TRUCK. CEMENT TO SURFACE.</p> <p>WELL #2, BONANZA 1023-6L2AS, TOP OUT CEMENT TO SURFACE 250 SACKS.</p> <p>RELEASE RIG 0600. RD TO SKID TO BONANZA 1023-6K2CS, WELL 4 OF 7</p>
5/8/2012	7:30 - 9:00	1.50	MIRU	01	C	P		<p>PULL CAT WALK FORWARD. INSTALL SKID RAILS. BREAK DOWN CHOKE LINE TO SKID. PREPARE RIG FOR SKID AND SKID RIG FORWARD 10'.</p>
	9:00 - 10:00	1.00	MIRU	14	A	P		<p>RESET CATWALK AND INSTALL VIBRATING HOSES.</p>
	10:00 - 15:30	5.50	MIRU	15	A	P		<p>CENTER AND LEVEL RIG OVER HOLE.</p> <p>NIPPLE UP BOPE. TIGHTEN CAMERON QUICK FLANGE. ADD 22' EXTENSION TO CHOKE LINE. ADD EXTENSION TO FLOW LINE.</p>
	15:30 - 16:00	0.50	MIRU	15	A	P		<p>HOLD SAFETY MEETING.</p>
	16:00 - 17:00	1.00	MIRU	06	A	P		<p>TEST TOP DRIVE VALVE, I-BOP VALVE, FLOOR VALVE, DART VALVE, PIPE AND BLIND RAMS, INSIDE AND OUTSIDE KILL LINE VALVES INSIDE CHOKE LINE VALVE, HCR VALVE, CHOKE LINE, CHOKE MANIFOLD VALVES AND CHOKES TO 5000 PSI FOR 10 MINUTES AND 250 PSI FOR 5 MINUTES. TEST ANNULAR TO 2500 PSI FOR 10 MIN AND 250 PSI FOR 5 MINUTES.</p>
								<p>TESTING CASING TO 1500 PSI FOR 30 MINUTES.</p>
								<p>INSTALL WEAR BUSHING WITH 8" ID WITH EVEN WEAR.</p>
								<p>P/U WEATHERFORD 1.83 BH .16 RPG MOTOR (SN 625-3672).</p>
								<p>MADE UP HUGHES Q506F BIT W/ 6-15'S (SN 7029499). SCRIBED MOTOR.</p>
								<p>P/U DOUBLE PIN, NON MAG TOOL CARRIER AND EM SUB.</p>
								<p>INSTALL EM TOOL.</p>
								<p>P/U MONEL AND CROSSOVER TO HWDP.</p>
								<p>TRIP IN HOLE WITH HEAVY WEIGHT DRILL PIPE @ 950'</p>
	17:00 - 19:30	2.50	MIRU	02	D	P		<p>INSTALL NEW ROTATING HEAD RUBBER. TRIP IN HOLE WITH DRILL PIPE. TAG CEMENT 2400'.</p>

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	20:30 - 22:00	1.50	DRLPRO	02	F	P		REVIEW DIRECTIONAL PLANS AND PLATS AND VERIFY LAT/LONGS AND WELL ORDER. VERIFY DIRECTIONAL DRILLERS PLAN IS THE MOST RECENT AND APPROVED VERSION. REFERENCE WELLBORE DIAGRAMS FOR EXACT CASING DESIGN AND GENERAL OVERVIEW OF WELLBORE, PRIOR TO SPUD.
	22:00 - 0:00	2.00	DRLPRC	02	D	P		<p>SPUD @ 05/08/2012 20:30 DRILL CEMENT AND FLOAT EQUIPMENT 2258'- 2454'. SURFACE CASING SHOE @ 2500'. DRILLED WITH 15K ON BIT AND 45 RPM. @ 450 GPM.</p> <p>DRILL SLIDE 2556'-2689' (133', 66'/HR) WEIGHT ON BIT 18-22K. AVERAGE WEIGHT ON BIT 22K. ROTARY RPM 65. MUD MOTOR RPM 82. STROKES PER MINUTE 115 GALLONS PER MINUTE 517. ON/OFF PSI 1318/1062. DIFFERENTIAL 256. TORQUE HIGH/LOW 9200/7600. OFF BOTTOM TORQUE 3400 STRING WEIGHT UP/DOWN/ROT 90/70/80. DRAG 10K. DRILL OUT OF SHOE @ 25.04 DEGREES HOLDING ANGLE @ 1' SOUTH AND 1' EAST OF LINE @ 2689'. SLIDE 36' AT 80'/HR. SLIDE 7% ROTATE 93%. RUNNING 2 CENTRIFUGES AND DE WATERING. (WT 8.5 VIS 27.) USED 8 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 20 BBLS DRILL WATER INTO FORMATION. (LOSING 10 BBLS HR) PUMP 50 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLS SWEEP EVERY 200'. (USE 80 BBLS LIGHT DRILL WATER WITH 32 VIS AS BASE FOR BUILDING SWEEPS.) (ADD 30 BBLS OF FRESH WATER FOR MAKE UP) NO FLARE. (BOP DRILL 45 SEC)</p>

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW/0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
5/9/2012	0:00 - 5:30	5.50	DRLPRO	02	D	P		<p>DRILL SLIDE 2689'-3314' (625', 113'./HR) WEIGHT ON BIT 18-22K. AVERAGE WEIGHT ON BIT 22K. ROTARY RPM 55. MUD MOTOR RPM 82. STROKES PER MINUTE 115. GALLONS PER MINUTE 517. ON/OFF PSI 1650/1300. DIFFERENTIAL 350. TORQUE HIGH/LOW 9500/7700. OFF BOTTOM TORQUE 3900 STRING WEIGHT UP/DOWN/ROT 103/70/82. DRAG 19K. SLIDE TO HOLD APPROX 25 DEGREE @ 308 AZIMUTH SLIDE 154' AT 84'/HR. SLIDE 27% ROTATE 73%. WELLBORE 34' SOUTH AND 22' EAST OF WELL PLAN. RUNNING 2 CENTRIFUGES AND DE WATERING.(WT 8.5 VIS 27.) USED 33 BBLs DRILL WATER FOR HOLE VOLUME. LOSS 72 BBLs DRILL WATER INTO FORMATION. (LOSING 12 BBLs HR) PUMP 50 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLs SWEEP EVERY 200'. (USE 90 BBLs LIGHT DRILL WATER WITH 32 VIS AS BASE FOR BUILDING SWEEPS.) NO FLARE.</p>
	5:30 - 6:00	0.50	DRLPRO	07	A	P		<p>RIG SERVICE. SERVICE TOP DRIVE. CHECK GENERATORS. SERVICE CROWN. CHECK BRAKE ADJUSTMENT AND TEST EMERGENCY STOP.</p>

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	6:00 - 12:00	6.00	DRLPRO	02	D	P		<p>DRILL SLIDE 3314'-3855' (541',90'/HR) WEIGHT ON BIT 18-22K. AVERAGE WEIGHT ON BIT 22K. ROTARY RPM 55. MUD MOTOR RPM 82. STROKES PER MINUTE 115. GALLONS PER MINUTE 517. ON/OFF PSI 1675/1325. DIFFERENTIAL 350. TORQUE HIGH/LOW 10000/8100. OFF BOTTOM TORQUE 4800 STRING WEIGHT UP/DOWN/ROT 105/72/85. DRAG 20K. SLIDE TO HOLD APPROX 25 DEGREE @ 308 AZIMUTH SLIDE 292' AT 75'/HR. SLIDE 54% ROTATE 46%. WELLBORE 60' SOUTH AND 31' EAST OF WELL PLAN. RUNNING 2 CENTRIFUGES AND DE WATERING.(WT 8.5 VIS 27.) USED 29 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 72 BBLS DRILL WATER INTO FORMATION. (LOSING 12 BBLS HR) PUMP 50 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLS SWEEP EVERY 200'. (USE 50 BBLS LIGHT DRILL WATER WITH 32 VIS AS BASE FOR BUILDING SWEEPS.) (USED 100 BBLS OF FRESH WATER FOR HOLE VOLUME) PROBLEMS WITH RETURNS RUNNING OVER SHAKERS INTO CATCH CAN. TO MUCH POLY IN SYSTEM. NO FLARE.</p>
	12:00 - 13:30	1.50	DRLPRO	05	A	X		<p>RETURNS OVER RUNNING SHAKERS. UNABLE TO KEEP UP WITH FLUID FLOWING INTO CATCH CAN. PICK UP AND SLOWED PUMP DOWN. CLEANED SHAKER SCREENS AND SHUT DOWN DEWATERING SYSTEM WITH POLY. CLEARED UP PROBLEM. (PROBLEM RESULTED FROM FREE POLYMERS MIXED INTO ACTIVE SYSTEM AND POLYMERS MIXED FROM DEWATERING.) (RUNNING API 200 SHAKER SCREENS)</p>

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	13:30 - 15:30	2.00	DRLPRO	02	D	P		<p>DRILL SLIDE 3855'-4010' (155', 78'/HR) WEIGHT ON BIT 18-22K. AVERAGE WEIGHT ON BIT 22K. ROTARY RPM 55. MUD MOTOR RPM 82. STROKES PER MINUTE 115. GALLONS PER MINUTE 517. ON/OFF PSI 1700/1350. DIFFERENTIAL 350. TORQUE HIGH/LOW 10000/8100. OFF BOTTOM TORQUE 5200 STRING WEIGHT UP/DOWN/ROT 107/72/85. DRAG 22K. SLIDE TO HOLD APPROX 25 DEGREE @ 308 AZIMUTH SLIDE 105' AT 70'/HR. SLIDE 68% ROTATE 32%. WELLBORE 34' SOUTH AND 13' EAST OF WELL PLAN. RUNNING 2 CENTRIFUGES AND DE WATERING.(WT 8.5 VIS 27.) USED 8 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 24 BBLS DRILL WATER INTO FORMATION. (LOSING 12 BBLS HR) PUMP 50 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLS SWEEP EVERY 200'. NO FLARE.</p>
	15:30 - 16:00	0.50	DRLPRO	07	A	P		<p>SERVICE TOP DRIVE. SERVICE GENERATORS. CHECK BRAKE ADJUSTMENT AND EMERGENCY STOP BUTTON.</p>
	16:00 - 0:00	8.00	DRLPRO	02	D	P		<p>DRILL SLIDE 4010'-4795' (785', 98'/HR) WEIGHT ON BIT 18-22K. AVERAGE WEIGHT ON BIT 23K. ROTARY RPM 55. MUD MOTOR RPM 82. STROKES PER MINUTE 115. GALLONS PER MINUTE 517. ON/OFF PSI 1750/1450. DIFFERENTIAL 300. TORQUE HIGH/LOW 9600/8500. OFF BOTTOM TORQUE 4800 STRING WEIGHT UP/DOWN/ROT 130/76/94. DRAG 36K. START DROP AT 4300'.(BEFORE DROP SLIDING 80% OF TIME) SLIDE 292' AT 60'/HR. SLIDE 37% ROTATE 63%. WELLBORE 31' SOUTH AND 10' EAST OF WELL PLAN. RUNNING 2 CENTRIFUGES AND DE WATERING.(WT 8.5 VIS 27.) USED 43 BBLS DRILL WATER FOR HOLE VOLUME. LOSS 104 BBLS DRILL WATER INTO FORMATION. (LOSING 13 BBLS HR) (TRANSFERED 150 BBLS OF 32 VIS DRILL WATER TO SYSTEM FOR SWEEPS AND HOLE VOLUME) PUMP 50 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLS SWEEP EVERY 200'. NO FLARE.</p>

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWM: NE/SW0/10/S/23/E/6/0/0/26/PM/S/1870/W0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
5/10/2012	0:00 - 5:30	5.50	DRLPRO	02	D	P		<p>DRILL SLIDE 4795'- 5444' (649', 118'/HR) WEIGHT ON BIT 18-22K. AVERAGE WEIGHT ON BIT 23K. ROTARY RPM 55. MUD MOTOR RPM 82. STROKES PER MINUTE 115. GALLONS PER MINUTE 517. ON/OFF PSI 1950/1650. DIFFERENTIAL 300. TORQUE HIGH/LOW 9900/8300. OFF BOTTOM TORQUE 5500 STRING WEIGHT UP/DOWN/ROT 159/90/111. DRAG 48K. DROPPING ANGLE FROM 12 DEGREES TO 4.31 DEGREES. SLIDE 38' AT 38'/HR. SLIDE 6% ROTATE 94%. WELLBORE 2' NORTH 1' WEST OF CENTER OF TARGET AT 5444'. RUNNING 2 CENTRIFUGES AND DE WATERING.(WT 8.5 VIS 27.) USED 35 BBLS DRILL WATER FOR HOLE VOLUME. LOST 65 BBLS DRILL WATER INTO FORMATION. (LOSING 10 BBLS HR) (TRANSFERED 120 BBLS OF FRESH WATER FOR MAKE UP) PUMP 50 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLS SWEEP EVERY 200'. NO FLARE.</p>
	5:30 - 6:00	0.50	DRLPRO	07	A	P		<p>RIG SERVICE. SERVICE TOP DRIVE. SERVICE CROWN. CHECK BRAKE ADJUSTMENT AND TEST EMERGENCY STOP BUTTON.</p>
	6:00 - 12:00	6.00	DRLPRO	02	D	P		<p>DRILL SLIDE 5444'-6173' (729',121'/HR) WEIGHT ON BIT 18-24K. AVERAGE WEIGHT ON BIT 23K. ROTARY RPM 65. MUD MOTOR RPM 82. STROKES PER MINUTE 115. GALLONS PER MINUTE 517. ON/OFF PSI 1700/1400. DIFFERENTIAL 300. TORQUE HIGH/LOW 10800/8700. OFF BOTTOM TORQUE 7500 STRING WEIGHT UP/DOWN/ROT 152/90/119. DRAG 33K. HOLE VERTICAL AT 5621'. SLIDE 35' AT 45'/HR. SLIDE 5% ROTATE 95%. WELLBORE 4' NORTH 1' WEST OF CENTER OF TARGET AT 6173'. RUNNING 2 CENTRIFUGES AND DE WATERING.(WT 8.6 VIS 30.) DRILLING WITH PHPA SYSTME. RETURNING OVER 100 MESH SCREENS. USED 40 BBLS DRILL WATER FOR HOLE VOLUME. LOST 72 BBLS DRILL WATER INTO FORMATION. (LOSING 12 BBLS HR) (TRANSFERED 50 BBLS OF DRILL WATER FOR MAKE UP) PUMP 50 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLS SWEEP EVERY 200'. NO FLARE.</p>

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW/0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	12:00 - 17:30	5.50	DRLPRO	02	D	P		<p>DRILL SLIDE 6173'-6624' (451', 82'/HR) WEIGHT ON BIT 18-24K. AVERAGE WEIGHT ON BIT 23K. ROTARY RPM 65. MUD MOTOR RPM 82. STROKES PER MINUTE 115. GALLONS PER MINUTE 517. ON/OFF PSI 1700/1400. DIFFERENTIAL 300. TORQUE HIGH/LOW 11200/8900. OFF BOTTOM TORQUE 9000 STRING WEIGHT UP/DOWN/ROT 175/95/125. DRAG 50K. SLIDE 28' AT 25'/HR. SLIDE 6% ROTATE 94%. WELLBORE 1' NORTH 1' EAST OF CENTER OF TARGET AT 6624'. RUNNING 2 CENTRIFUGES AND DE WATERING.(WT 8.7 VIS 31.) DRILLING WITH PHPA SYSTEM. RETURNING OVER 100 API SCREENS. USED 25 BBLS DRILL WATER FOR HOLE VOLUME. LOST 80 BBLS DRILL WATER INTO FORMATION. (LOSING 14 BBLS HR) (TRANSFERED 135 BBLS OF DRILL WATER FOR MAKE UP) PUMP 50 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLS SWEEP EVERY 200'. NO FLARE.</p>
	17:30 - 18:00	0.50	DRLPRO	07	A	P		<p>RIG SERVICE. SERVICE TOP DRIVE. CHECK BRAKE ADJUSTMENT AND TEST EMERGENCY STOP BUTTON.</p>
	18:00 - 0:00	6.00	DRLPRO	02	D	P		<p>DRILL SLIDE 6624'-7173' (549', 92'/HR) WEIGHT ON BIT 18-24K. AVERAGE WEIGHT ON BIT 23K. ROTARY RPM 65. MUD MOTOR RPM 82. STROKES PER MINUTE 115. GALLONS PER MINUTE 517. ON/OFF PSI 2000/1600. DIFFERENTIAL 400. TORQUE HIGH/LOW 12100/10100. OFF BOTTOM TORQUE 8800 STRING WEIGHT UP/DOWN/ROT 202/105/133. DRAG 69K. SLIDE 40' AT 30'/HR. SLIDE 7% ROTATE 93%. WELLBORE 16' NORTH 5' EAST OF CENTER OF TARGET @ 7074'. RUNNING 2 CENTRIFUGES AND DE WATERING.(WT 8.7 VIS 31.) DRILLING WITH PHPA SYSTEM. RETURNING OVER 100 API SCREENS. USED 30 BBLS DRILL WATER FOR HOLE VOLUME. LOST 104 BBLS DRILL WATER INTO FORMATION. (LOSING 17 BBLS HR) (TRANSFERED 75 BBLS OF FRESH FOR MAKE UP) PUMP 50 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLS SWEEP EVERY 200'. NO FLARE.</p>

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW0/10/S/23/E/6/0/0/26/PM/S/1870/W0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
5/11/2012	0:00 - 5:30	5.50	DRLPRO	02	D	P		DRILL SLIDE 7173'-7713' (540', 98'/HR) WEIGHT ON BIT 18-25K. AVERAGE WEIGHT ON BIT 23K. ROTARY RPM 65. MUD MOTOR RPM 82. STROKES PER MINUTE 115. GALLONS PER MINUTE 517. ON/OFF PSI 1725/1400. DIFFERENTIAL 425. TORQUE HIGH/LOW 12200/10100. OFF BOTTOM TORQUE 9000 STRING WEIGHT UP/DOWN/ROT 217/115/132. DRAG 85K. SLIDE 40' AT 30'/HR. SLIDE 7% ROTATE 93%. WELLBORE 10' NORTH 9' EAST OF CENTER OF TARGET @ 7704'. RUNNING 2 CENTRIFUGES AND DE WATERING.(WT 8.6 VIS 29.) DRILLING WITH PHPA SYSTEM. RETURNING OVER 100 API SCREENS. USED 30 BBLS DRILL WATER FOR HOLE VOLUME. LOST 108 BBLS DRILL WATER INTO FORMATION. (LOSING 17 BBLS HR) (TRANSFERED 125 BBLS OF FRESH FOR MAKE UP) PUMP 50 VIS GEL AND 5% SAWDUST SWEEPS TO HELP CONTROL LOSSES. PUMP 15 BBLS SWEEP EVERY 200'. NO FLARE. RIG SERVICE. SERVICE TOP DRIVE. CHECK BRAKE ADJUSTMENT AND TEST EMERGENCY STOP BUTTON.
	5:30 - 6:00	0.50	DRLPRO	07	A	P		

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW0/10/S/23/E/6/0/0/26/PM/S/1870/W0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	6:00 - 12:00	6.00	DRLPRO	02	D	P		<p>DRILL SLIDE 7713'-8181' (468',78'/HR) WEIGHT ON BIT 15-25K. AVERAGE WEIGHT ON BIT 21K. ROTARY RPM 55-60. MUD MOTOR RPM 82. STROKES PER MINUTE 115. GALLONS PER MINUTE 517. ON/OFF PSI 1725/1400. DIFFERENTIAL 325. TORQUE HIGH/LOW 13000/11100. OFF BOTTOM TORQUE 9000 STRING WEIGHT UP/DOWN/ROT 193/116/133. DRAG 60K. (STARTED REAMING CONNECTIONS) (STARTED TO REACH MAXIMUM TORQUE LIMITS) SLIDE 60' AT 30'/HR. SLIDE 12% ROTATE 88%. (LAST SLIDE FOR WELL 7956') WELLBORE 12' NORTH 4 EAST OF CENTER OF TARGET @ 8181'. RUNNING 2 CENTRIFUGES AND DE WATERING. (WT 8.6 VIS 29.) DRILLING WITH PHPA SYSTEM TO TRY TO REDUCE TORQUE. RETURNING OVER 100 API SCREENS. USED 25 BBLS DRILL WATER FOR HOLE VOLUME. LOST 60 BBLS DRILL WATER INTO FORMATION. (LOSING 10 BBLS HR) (TRANSFERED 130 BBLS OF FRESH FOR MAKE UP) PUMP 50 VIS GEL AND 10% SAWDUST SWEEPS TO HELP CONTROL LOSSES.(MIX DRUM OF ANCO GLIDE IN SWEEPS TO HELP CONTROL TORQUE PUMP 15 BBLS SWEEP EVERY 200'. GAS FROM 7780' RESULTING IN 3' DRILLING FLARE. 8-10' CONNECTION FLARE.- SCF 5604</p>

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	12:00 - 17:30	5.50	DRLPRO	02	D	P		<p>DRILL SLIDE 8181'-8534' (353', 64'/HR) WEIGHT ON BIT 15-25K. AVERAGE WEIGHT ON BIT 20K. ROTARY RPM 55-60. MUD MOTOR RPM 82. STROKES PER MINUTE 115. GALLONS PER MINUTE 517. ON/OFF PSI 1800/1500. DIFFERENTIAL 300. TORQUE HIGH/LOW 13000/12100. OFF BOTTOM TORQUE 11500 STRING WEIGHT UP/DOWN/ROT 208/116/145. DRAG 63K. (REAMING CONNECTIONS) (REACH MAXIMUM TORQUE LIMITS HAD TO BACK OFF WT FROM 8122'-8460 TO 15 WOB) SLIDE 0' AT 0'/HR. SLIDE 0% ROTATE 100%. (LAST SLIDE FOR WELL 7956') WELLBORE 10 NORTH 5' EAST OF CENTER OF TARGET @ 8534'. RUNNING 2 CENTRIFUGES AND DE WATERING. (WT 8.6 VIS 29.) DRILLING WITH PHPA SYSTEM TO TRY TO REDUCE TORQUE. RETURNING OVER 100 API SCREENS. USED 20 BBLS DRILL WATER FOR HOLE VOLUME. LOST 52 BBLS DRILL WATER INTO FORMATION. (LOSING 8 BBLS HR) (TRANSFERED 50 BBLS OF FRESH FOR MAKE UP) PUMP 50 VIS GEL AND 10% SAWDUST SWEEPS TO HELP CONTROL LOSSES.(MIX DRUM OF ANCO GLIDE IN SWEEPS TO HELP CONTROL TORQUE) PUMP 15 BBLS SWEEP EVERY 100'. 3' DRILLING FLARE. 8-10' CONNECTION FLARE.- SCF 5323 RIG SERVICE. SERVICE TOP DRIVE. CHECK BRAKE ADJUSTMENT AND TEST EMERGENCY STOP BUTTON. SERVICE GERNERATORS AND CROWN.</p>
	17:30 - 18:00	0.50	DRLPRO	07	A	P		

US ROCKIES REGION

Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	18:00 - 0:00	6.00	DRLPRO	02	D	P		<p>DRILL SLIDE 8534'-8920' (386', 64'/HR) WEIGHT ON BIT 15-27K. AVERAGE WEIGHT ON BIT 25K. ROTARY RPM 55-60. MUD MOTOR RPM 82. STROKES PER MINUTE 115. GALLONS PER MINUTE 517. ON/OFF PSI 1900/1600. DIFFERENTIAL 300. (2750 PSI AFTER MUD UP) TORQUE HIGH/LOW 13000/12600. OFF BOTTOM TORQUE 12800.) (TORQUE HIGH/ LOW AFTER MUD UP 13000/ 11200. OFF BOTTOM 12300) STRING WEIGHT UP/DOWN/ROT 211/118/145. DRAG 66K. (REAMING CONNECTIONS) SLIDE 0' AT 0'/HR. SLIDE 0% ROTATE 100%. (LAST SLIDE FOR WELL 7956') WELLBORE 5' NORTH 12' EAST OF CENTER OF TARGET @ 8920'. RUNNING 2 CENTRIFUGES AND DE WATERING. (WT 8.6 VIS 29.) DRILLING WITH PHPA SYSTEM TO TRY TO REDUCE TORQUE. RETURNING OVER 100 API SCREENS. USED 21 BBLs DRILL WATER FOR HOLE VOLUME. LOST 32 BBLs DRILL WATER INTO FORMATION. (LOSING 8 BBLs HR) PUMP 50 VIS GEL AND 10% SAWDUST SWEEPS TO HELP CONTROL LOSSES.(MIX DRUM OF ANCO GLIDE IN SWEEPS TO HELP CONTROL TORQUE) PUMP 15 BBLs SWEEP EVERY 100'. STARTED MUD UP @ 8800'. (22:00) DISPLACE IN 780 BBLs OF 11.5 MUD INTO SYSTEM AND DISPLACE 680 BBLs OF 8.6# DRILL WATER TO UPRIGHTS.) (ENDED UP WITH 10.4# MUD BY 8878'. STILL DRILLING WITH 8' FLARE. RAISE MUD WT TO 11# WHILE DRILLING) (NO LOSSES AFTER MUD UP) 3' DRILLING FLARE. 5 HRS. 6' CONNECTION FLARE.- 3746 SCF GAS FROM 8780'. 8' FLARE 1 HR. - 4456 SCF</p>

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW/0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
5/12/2012	0:00 - 1:30	1.50	DRLPRO	02	D	P		DRILL 8920'-8985' (65', 43'/HR) TD 5/12/2012 01:30 WEIGHT ON BIT 15-27K. AVERAGE WEIGHT ON BIT 25K. ROTARY RPM 55-60. MUD MOTOR RPM 82. STROKES PER MINUTE 105. GALLONS PER MINUTE 472. ON/OFF PSI 2750/2500. DIFFERENTIAL 250. TORQUE HIGH/ LOW 13000/ 11200. OFF BOTTOM TORQUE 12300 STRING WEIGHT UP/DOWN/ROT 212/118/146. DRAG 66K. (REAMING CONNECTIONS) SLIDE 0' AT 0'/HR. SLIDE 0% ROTATE 100%. (LAST SLIDE FOR WELL 7956') WELLBORE 1' NORTH 15' EAST OF CENTER OF TARGET @ TD. BY PASS CENTRIFUGES AND DEWATERING. MUD IN WT 10.6 VIS 40. MUD WT OUT 10.4 VIS 33. PUMP LCM SWEEP AROUND TO HELP CLEAN HOLE. NO LOSSES. 3' FLARE 1.5 HR- 844 SCF
	1:30 - 3:00	1.50	EVALPR	05	A	P		CIRC AND CONDION HOLE. CIRC BOTTOMS UP. RAISE MUD WT. MUD IN 11.5 VIS 41. MUD OUT 11.3 VIS 38. NO LOSSES. MIX UP 40 BBL ANCHO GLIDE SWEEP AND PUMP. MIX 40 BBL 13# DRY JOB AND HOLD. NO FLOW ON FLOW CHECK.
	3:00 - 8:00	5.00	EVALPR	06	E	P		WIPER TRIP OUT OF HOLE. PUMP AND ROTATE OUT OF HOLE TO 8500'. PUMP AND ROT OFF AND ON FROM 8500-7600'. (80 K OVER PULL OFF BOTTOM). PUMP DRY JOB AND TRIP OUT OF HOLE. PULL THOUGH SOME TIGHT HOLE FROM 6765'-6675' W/ 35 K OVER. WORK THOUGH TIGHT HOLE @ 4792'-4571' WITH 50K AND NO PUMP. TRIP OUT OF HOLE TO SHOE. LOSS 10 BBL ON TRIP OUT TO SHOE. NO FLOW ON FLOW CHECKS.
	8:00 - 9:00	1.00	EVALPR	09	A	P		SLIP AND CUT DRILL LINE. CHECK BRAKE ADJUSTMENT. NO FLOW ON FLOW CHECK.
	9:00 - 13:00	4.00	EVALPR	06	E	P		WIPER TRIP BACK IN HOLE. WASH THROUGH BRIDGE @ 4197' AND 5812'. HOLE SLICK EXCEPT FOR BRIDGES. TRIP TO BOTTOM. LOSS 10 BBL OF MUD ON TRIP IN. 10' FILL ON BOTTOM.
	13:00 - 13:30	0.50	EVALPR	07	A	P		RIG SERVICE. SERVICE TOP DRIVE. CHECK BRAKE ADJUSTMENT AND TEST EMERGENCY STOP BUTTON. SERVICE GERNERATORS AND CROWN.
	13:30 - 16:00	2.50	EVALPR	05	A	P		CIRC AND CONDION HOLE. CIRC BOTTOMS UP. MUD IN 11.6 VIS 43. MUD OUT 11.5 VIS 40. NO LOSSES. PUMP 2- 15% LCM SWEEPS AROUND TO HELP CLEAN HOLE. MIX 40 BBL 13# DRY JOB AND HOLD. NO FLOW ON FLOW CHECK. 15' FLARE ON BOTTOMS UP FOR 15 MIN. 4196 SCF

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	16:00 - 0:00	8.00	EVALPR	06	B	P		PUMP AND ROT OUT OF HOLE TO 8000'. 60K OVER PULL PULLING OFF BOTTOM. HOLE RELATIVELY SLICK. PULL TO 7500' WET. PIPE PULLING GOOD. NO FLOW ON FLOW CHECK. PUMP DRY JOB. PULL OUT OF HOLE FOR LOGS. HOLE TAKING PROPER FLUID. NO FLOW ON FLOW CHECKS. (WORK THROUGH TIGHT SPOT 4571') HOLE SLICK OTHER THEN TIGHT SPOT @ 4571'. PULL ROTATING HEAD RUBBER AT HEAVY WEIGHT DRILL PIPE. LAY DOWN DIRECTIONAL TOOLS. BREAK BIT AND LAYDOWN MUD MOTOR. PULL WEAR BUSHING.
5/13/2012	0:00 - 5:00	5.00	EVALPR	11	D	P		HOLD SAFETY MEETING WITH HALLIBURTON LOGGING CREW. RIG UP LOGGERS AND PICK UP TRIPLE COMBO LOGGING TOOLS. RUN IN HOLE AND LOGGED DOWN WITH TOOLS AND BRIDGE OUT AT 4372'. TRY TO TO WORK THOUGH BRIDGE AND ENDED UP STICKING TOOL. WORK TOOL FREE. THEN BECAME STUCK UP HOLE @ 4293'. WORK TOOL FREE FROM 4293'. PULLED OUT TOOLS AND RIGGED DOWN HALLIBURTON. (CLEAN PITS WITH JET HOSE AND CLEANED SOLIDS OUT OF MUD WITH SHAKERS.)(NO VAC TRUCK)
	5:00 - 5:30	0.50	CSGPRO	07	A	P		RIG SERVICE. SERVICE TOP DRIVE. CHECK BRAKE ADJUSTMENT AND TEST EMERGENCY STOP BUTTON. SERVICE GERNERATORS AND CROWN.
	5:30 - 6:00	0.50	CSGPRO	12	A	P		HOLD SAFETY MEETING WITH KIMZEY CASING CREW. RIG UP CASING CREW. CHECK FLOAT EQUIPMENT. REMOVE RIG ELEVATORS. RIG UP INTERGRATED TONGES.

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	6:00 - 13:00	7.00	CSGPRO	12	C	P		<p>MAKE UP 4.5" K-55 LTC WEATHERFORD FLOAT SHOE ON SHOE SHOE JT WITH THREAD LOCK. MAKE UP 4.5" K-55 FLOAT COLLAR W/ THREAD LOCK ON TOP OF SHOE JT.</p> <p>RUN CENTRALIZERS ON FIRST 3 JTS AND EVERY THIRD JT FOR TOTAL OF 15 CENTRALIZERS. BREAK CIRCULATION @ 844'. NO PROBLEMS WITH FLOAT SHOE OR COLLAR.</p> <p>RUN A TOTAL OF 93 JTS OF 4.5" 11.6# I-80 LTC CASING (3942.3'). MAKE UP DQX CROSS OVER JT AND RIG UP TORQUE TURN. PERFORM DUMP TEST.</p> <p>RUN A TOTAL 114 JTS OF 4.5" 11.6# I-80 DQX CSG WITH TORQUE TURN (5017'). (TSI HAND WITNESSING CSG JOB). WASH THROUGH BRIDGE @ 4372'-4380'.</p> <p>1 BAD DQX JT DELIVERED TO LOCATION FILLED CASING AND CIRCULATED AT 844' AND 4100'. GOOD CIRCULATION WITH NO LOSSES WAS ESTABLISHED.</p> <p>LANDED CASING ON CAMERON SLOTTED MANDREL.</p> <p>TOTAL OF 93 JTS OF 4.5" 11.6# I-80 LTC (3942.3') TOTAL 114 JTS OF 4.5" 11.6# I-80 DQX CSG (5017")</p> <p>LAND FLOAT SHOE @ 8974.7 KB LAND TOP OF FLOAT COLLAR @ 8929.8' KB. LAND TOP OF MESA MARKER JT @ 6758.1 KB. LAND TOP DQX TO LTC CROSS OVER JT @ 5011.1' KB.</p>
	13:00 - 14:00	1.00	CSGPRO	05	D	P		<p>CIRCULATE DOWN CASING WITH RIG. GOOD CIRCULATION WITH NO LOSSES @ 363 GALLONS PER MINUTE. 15' FLARE FOR 15 MIN ON BOTTOMS UP.- 4196 SCF. MUD WT 11.5 VIS 42. RIG DOWN KIMZEY CASING.</p>
	14:00 - 15:00	1.00	MAINT	22	L	Z		<p>WAIT FOR BAKER HUGHES TO TROUBLE SHOOT ENGINE PROBLEM ON PUMP TRUCK (1 ENGINE WAS UNABLE TO THROTTLE UP.) CONTINUE TO CIRCULATE WITH NO LOSSES. HOLD SAFETY MEETING WITH BAKER HUGHES CEMENTERS AND RIG UP.</p>

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: XTC 12/12, CAPSTAR 310/310

Event: DRILLING

Start Date: 12/8/2011

End Date: 5/13/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW0/10/S/23/E/6/0/0/26/PM/S/1870/W0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	15:00 - 18:00	3.00	CSGPRO	12	E	P		RIG UP CEMENT HEAD WITH TOP PLUG INSTALLED. PRESSURE TEST LINES TO 5000 PSI. PUMP 25 BBLS OF FRESH WATER. PUMP 164.83 BBLS (410 SX) OF 12.0# 2.26 YIELD 12.48 GAL/SK OF LEAD CEMENT. PUMP 253.05 BBLS (1085SX) OF 14.3# 1.31 YIELD 5.91 GAL/SK POZ 50/50 TAIL CEMENT. SHUT DOWN AND FLUSH LINES. DROP TOP PLUG DISPLACE WITH 138.7 BBLS OF FRESH WATER TREATED WITH CLAYFIX AND MAGNACIDE. FULL RETURNS THROUGH OUT JOB.NO CEMENT OR SPACER TO SURFACE LIFT PSI OF 2800 @ 3 BBLS MINUTE. BUMP PLUG 3450 PSI. . PRESSURE HELD 5 MINUTES. FLOAT HELD. FLOW BACK 1.5 BBLS. ESTIMATED TOP OF CEMENT FOR LEAD 450'. ESTIMATED TOP OF CEMENT FOR TAIL 3300'. STORED 790 BBLS OF 11.5# MUD. RIG DOWN CEMENTERS. FLUSH STACK WITH FRESH WATER.
	18:00 - 19:00	1.00	RDMO	14	A	P		UNSCREW LANDING JT. RUN IN WITH PACK OFF. TURN IN LANDING DOGS. UNSCREW FROM PACK OFF. LAYDOWN LANDING JT. UNDO FLOW LINE. NIPPLE DOWN BOPE. UNDO CHOKE LINE. P/U STACK. AND COVER WELL. RELEASE RIG 5/13/2012 19:00.

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	BONANZA 1023-6E3AS YELLOW	Wellbore No.	OH
Well Name	BONANZA 1023-6E3AS	Wellbore Name	BONANZA 1023-6E3AS
Report No.	1	Report Date	8/9/2012
Project	UTAH-UINTAH	Site	BONANZA 1023-6K PAD
Rig Name/No.		Event	COMPLETION
Start Date	8/9/2012	End Date	8/27/2012
Spud Date	3/18/2012	Active Datum	RKB @5,234.00usft (above Mean Sea Level)
UWI	NE/SW/0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0		

1.3 General

Contractor		Job Method		Supervisor	
Perforated Assembly		Conveyed Method			

1.4 Initial Conditions

Fluid Type		Fluid Density		Gross Interval	6,161.0 (usft)-8,797.0 (usft)	Start Date/Time	8/9/2012 12:00AM
Surface Press		Estimate Res Press		No. of Intervals	41	End Date/Time	8/9/2012 12:00AM
TVD Fluid Top		Fluid Head		Total Shots	192	Net Perforation Interval	50.00 (usft)
Hydrostatic Press		Press Difference		Avg Shot Density	3.84 (shot/ft)	Final Surface Pressure	
Balance Cond	NEUTRAL					Final Press Date	

1.5 Summary

2 Intervals

2.1 Perforated Interval

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
8/9/2012 12:00AM	WASATCH/			6,161.0	6,163.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
8/9/2012 12:00AM	WASATCH/			6,183.0	6,185.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	WASATCH/			6,225.0	6,227.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	WASATCH/			6,571.0	6,572.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	WASATCH/			6,599.0	6,602.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	WASATCH/			6,629.0	6,631.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			7,460.0	7,461.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			7,546.0	7,547.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			7,652.0	7,653.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			7,677.0	7,678.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			7,690.0	7,692.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			7,757.0	7,758.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			7,839.0	7,840.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			7,894.0	7,895.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			7,908.0	7,909.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			7,922.0	7,923.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			7,939.0	7,940.0	4.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,003.0	8,004.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,021.0	8,022.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,039.0	8,040.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,065.0	8,066.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,101.0	8,103.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
8/9/2012 12:00AM	MESAVERDE/			8,124.0	8,125.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,135.0	8,136.0	3.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,189.0	8,190.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,220.0	8,221.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,235.0	8,236.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,254.0	8,255.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,289.0	8,290.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,332.0	8,333.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,402.0	8,403.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,431.0	8,432.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,441.0	8,442.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,460.0	8,461.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,499.0	8,501.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,543.0	8,544.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,553.0	8,554.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,569.0	8,570.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,581.0	8,582.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,720.0	8,721.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
8/9/2012 12:00AM	MESAVERDE/			8,796.0	8,797.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	

3 Plots

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: ROCKY MOUNTAIN WELL SERVICE
3/3

Event: COMPLETION

Start Date: 8/9/2012

End Date: 8/27/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW/0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
3/18/2012	-							
8/9/2012	12:00 - 14:00	2.00	COMP	33	C	P		FILL SURFACE CSG. MIRU B&C QUICK TEST. PSI TEST T/ 1000 PSI. HELD FOR 15 MIN LOST 13 PSI. PSI TEST T/ 3500 PSI. HELD FOR 15 MIN LOST 37 PSI. 1ST PSI TEST T/ 7000 PSI. HELD FOR 30 MIN LOST 138 PSI. 2ND PSI TEST T/ 7000 PSI. HELD FOR 30 MIN. LOST 44 PSI. NO COMMUNICATION OR MIGRATION WITH SURFACE CSG BLEED OFF PSI. MOVE T/ NEXT WELL. SWMFW
8/10/2012	7:00 - 10:00	3.00	COMP	37	C	P		PERF STG 1)PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF AS PER PERF DESIGN. POOH. SWMFW
8/15/2012	7:00 - 7:15	0.25	FRAC	48		P		JSA-SAFETY MEETING

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: ROCKY MOUNTAIN WELL SERVICE
3/3

Event: COMPLETION

Start Date: 8/9/2012

End Date: 8/27/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW/0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 17:00	9.75	FRAC	36	E	P		<p>FRAC STG 1) WHP = 1619 PSI, BRK 5100 PSI @ 9.5 BPM. ISIP 2678 PSI, FG = 0.74. CALC PERFS OPEN @ 50.9 BPM @ 4426 PSI = 98% HOLES OPEN. (23/24 HOLES OPEN) ISIP 2403 PSI, FG = 0.71, NPI = - 275 PSI. MP 5248 PSI, MR 50.9 BPM, AP 4532 PSI, AR 50.7 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 2)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 8531' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 2) WHP = 2119 PSI, BRK 2643 PSI @ 9.7 BPM. ISIP 2195 PSI, FG = 0.69. CALC PERFS OPEN @ 51 BPM @ 4191 PSI = 88% HOLES OPEN. (21/24 HOLES OPEN) ISIP 2535 PSI, FG = 0.73, NPI = 340 PSI. MP 4460 PSI, MR 51 BPM, AP 4193 PSI, AR 50.7 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 3)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 8363' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 3) WHP = 680 PSI, BRK 3938 PSI @ 4.7 BPM. ISIP = 2768 PSI, FG = 0.77. CALC PERFS OPEN @ 50.9 BPM @ 4750 PSI = 79% HOLES OPEN. (19/24 HOLES OPEN) ISIP 2612 PSI, FG = 0.75, NPI = - 156 PSI. MP 7129 PSI, MR 51 BPM, AP 4622 PSI, AR 50.8 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 4)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 8166' P/U PERF AS PER DESIGN. POOH, SWMFN.</p> <p>FRAC STG 4) WHP = 2114 PSI, BRK 2715 PSI @ 4.8 BPM. ISIP 2329 PSI, FG = 0.72. CALC PERFS OPEN @ 51 BPM @ 4147 PSI = 96% HOLES OPEN. (23/24 HOLES OPEN) ISIP 2652 PSI, FG = 0.76, NPI = 323 PSI. MP 5209 PSI, MR 51 BPM, AP 4170 PSI, AR 50.8 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p>

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: ROCKY MOUNTAIN WELL SERVICE
3/3

Event: COMPLETION

Start Date: 8/9/2012

End Date: 8/27/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW/0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
								<p>PERF STG 5)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7970' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 5) WHP = 835 PSI, BRK 4910 PSI @ 8.3 BPM. ISIP = 1913 PSI, FG = 0.68. CALC PERFS OPEN @ 51.2 BPM @ 3430 PSI = 92% HOLES OPEN. (22/24 HOLES OPEN) ISIP 1923 PSI, FG = 0.68, NPI = 10 PSI. MP 6937 PSI, MR 51.3 BPM, AP 3365 PSI, AR 51 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 6)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 7722' P/U PERF AS PER DESIGN. POOH, SWMFn.</p>

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: ROCKY MOUNTAIN WELL SERVICE
3/3

Event: COMPLETION

Start Date: 8/9/2012

End Date: 8/27/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW/0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
8/16/2012	7:00 - 15:00	8.00	FRAC	36	E	P		<p>FRAC STG 6) WHP = 1117 PSI, BRK 3937 PSI @ 4.8 BPM. ISIP = 2303 PSI, FG = 0.75. CALC PERFS OPEN @ 50.9 BPM @ 3756 PSI = 92% HOLES OPEN. (22/24 HOLES OPEN) ISIP 2211 PSI, FG = 0.72, NPI = - 92 PSI. MP 5133 PSI, MR 51.1 BPM, AP 3886 PSI, AR 50.9 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 7)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 6661' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW</p> <p>FRAC STG 7) WHP = 98 PSI, BRK 2104 PSI @ 3.8 BPM. ISIP 1050 PSI, FG = 0.59. CALC PERFS OPEN @ 50.7 BPM @ 3930 PSI = 71% HOLES OPEN. (17/24 HOLES OPEN) ISIP 2458 PSI, FG = 0.81, NPI = 1408 PSI. MP 6100 PSI, MR 51.1 BPM, AP 3904 PSI, AR 50.9 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 8)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6257' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 8) WHP = 755 PSI, BRK 2200 PSI @ 4.8 BPM. ISIP = 1238 PSI, FG = 0.62. CALC PERFS OPEN @ 52.6 BPM @ 3930 PSI = % HOLES OPEN. (24/24 HOLES OPEN) ISIP 1431 PSI, FG = 0.66, NPI = 193 PSI. MP 4817 PSI, MR 52.6 BPM, AP 3060 PSI, AR 51.8 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>KILL PLUG) RIH W/ HALLIBURTON 8K CBP, SET CBP @ 6111', R/D WIRELINE AND FRAC CREW, WELL SHUT IN,</p> <p>TOTAL WATER = 8647 BBLS TOTAL SAND = 186,000# HSM-JSA</p>
8/27/2012	7:00 - 7:15	0.25	DRLOUT	48		P		

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: ROCKY MOUNTAIN WELL SERVICE
3/3

Event: COMPLETION

Start Date: 8/9/2012

End Date: 8/27/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 17:00	9.75	DRLOUT	44	C	P		<p>NDWH, NUBOP, PU 3 7/8" BIT,POBS, XN SN RIH W/ 193 JTS 2 3/8" L-80 OFF FLOAT TAG FILL @ 6,086', RU PWR SWIVEL, BRK CIRC, PRESS TEST BOP TO 3,000 PSI, LOST 0 PSI IN 15 MIN.</p> <p>C/O 25' SAND TAG PLUG #1 @ 6,111', DRL HAL 8K CBP IN 5 MIN, 0 PSI INC, FCP 0 PSI, RIH TAG FILL @ 6,227'.</p> <p>C/O 30' SAND TAG PLUG #2 @ 6,257', DRL HAL 8K CBP IN 4 MIN, 0 PSI INC, FCP 0 PSI, RIH TAG FILL @ 6,606'.</p> <p>C/O 30' SAND TAG PLUG #3 @ 6,661', DRL HAL 8K CBP IN 6 MIN, 300 PSI INC, FCP 200 PSI, RIH TAG FILL @ 7,692'.</p> <p>C/O 30' SAND TAG PLUG #4 @ 7,722', DRL HAL 8K CBP IN 5 MIN, 50 PSI INC, FCP 250 PSI, RIH TAG FILL @ 7,945'.</p> <p>C/O 25' SAND TAG PLUG #5 @ 7,970, DRL HAL 8K CBP IN 5 MIN, 200 PSI INC, FCP 350 PSI, RIH TAG FILL @ 8,136'.</p> <p>C/O 30' SAND TAG PLUG #6 @ 8,166', DRL HAL 8K CBP IN 6 MIN, 100 PSI INC, FCP 400 PSI, RIH TAG FILL @ 8,333'.</p> <p>C/O 30' SAND TAG PLUG #7 @ 8,363', DRL HAL 8K CBP IN 6 MIN, 0 PSI INC, FCP 400 PSI, RIH TAG FILL @ 8,511'.</p> <p>C/O 20' SAND TAG PLUG #8 @ 8,531', DRL HAL 8K CBP IN 4 MIN, 50 PSI INC, FCP 400 PSI, RIH TAG FILL @ 8,874' (77' BELOW BTM PERF), CIRC WELL CLEAN, RD PWR SWIVEL, POOH LD 16 JTS TBG ON FLOAT, LAND TBG W/ 264 JTS 2 3/8" L-80 EOT @ 8,377.76', RD FLOOR & TBG EQUIP, NDBOP, NUWH, DROP BALL POBS @ 1,600 PSI, PRESS TEST LINES TO HAL 9,000 TO 3,500 PSI, LET BIT FALL 30 MIN TURN OVER TO FBC, SITP 250 PSI, SICP 1,900 PSI, RDMO, SDFN.</p> <p>KB-15' HANGER-.83' 264 JTS 2 3/8" L-80-8,359.73' POBS W/ XN SN-2.20' EOT @ 8,377.76'</p> <p>TWTR=8,924 BBLS TWR=2,096 BBLS TWLTR=6,828 BBLS</p>

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6E3AS YELLOW

Spud Date: 3/18/2012

Project: UTAH-UINTAH

Site: BONANZA 1023-6K PAD

Rig Name No: ROCKY MOUNTAIN WELL SERVICE
3/3

Event: COMPLETION

Start Date: 8/9/2012

End Date: 8/27/2012

Active Datum: RKB @5,234.00usft (above Mean Sea Level)

UWI: NE/SW/0/10/S/23/E/6/0/0/26/PM/S/1870/W/0/1712/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	17:00 - 17:00	0.00	DRLOUT	50				WELL TURNED TO SALES @ 1700 HR ON 8/27/2012. 2200 MCFD, 1920 BHPD, FCP 1980#, FTP 1760#, 20/64" CK.
8/28/2012	-							
8/29/2012	7:00 -			50				WELL IP'D ON 8/29/12 - 1969 MCFD, 0 BHPD, 0 BOPD, CP 1997#, FTP 1500#, LP 164#, 24 HRS, CK 20/64

Project: UTAH - UTM (feet), NAD27, Zone 12N

Site: UINTAH_BONANZA 1023-6K PAD

Well: BONANZA 1023-6E3AS

Wellbore: BONANZA 1023-6E3AS

Section:

SHL:

Design: BONANZA 1023-6E3AS (wp01)

Latitude: 39.975840

Longitude: -109.372024

GL: 5219.00

KB: 15' RKB + 5219' GL @ 5234.00ft (Xtreme 12)

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4274.00	4604.53	WASATCH
4874.00	5215.85	top of cylinder
6453.00	6795.08	MESAVERDE
8639.00	8981.13	SEGO

WELL DETAILS: BONANZA 1023-6E3AS

+N/-S	+E/-W	Northing	Ground Level: Easting	5219.00 Latitude	39.975840	Longitude	Slot
0.00	0.00	14521410.51	2096516.34			-109.372024	

CASING DETAILS

TVD	MD	Name	Size
2375.89	2509.74	8-5/8"	8-5/8"



Azimuths to True North
Magnetic North: 10.91°

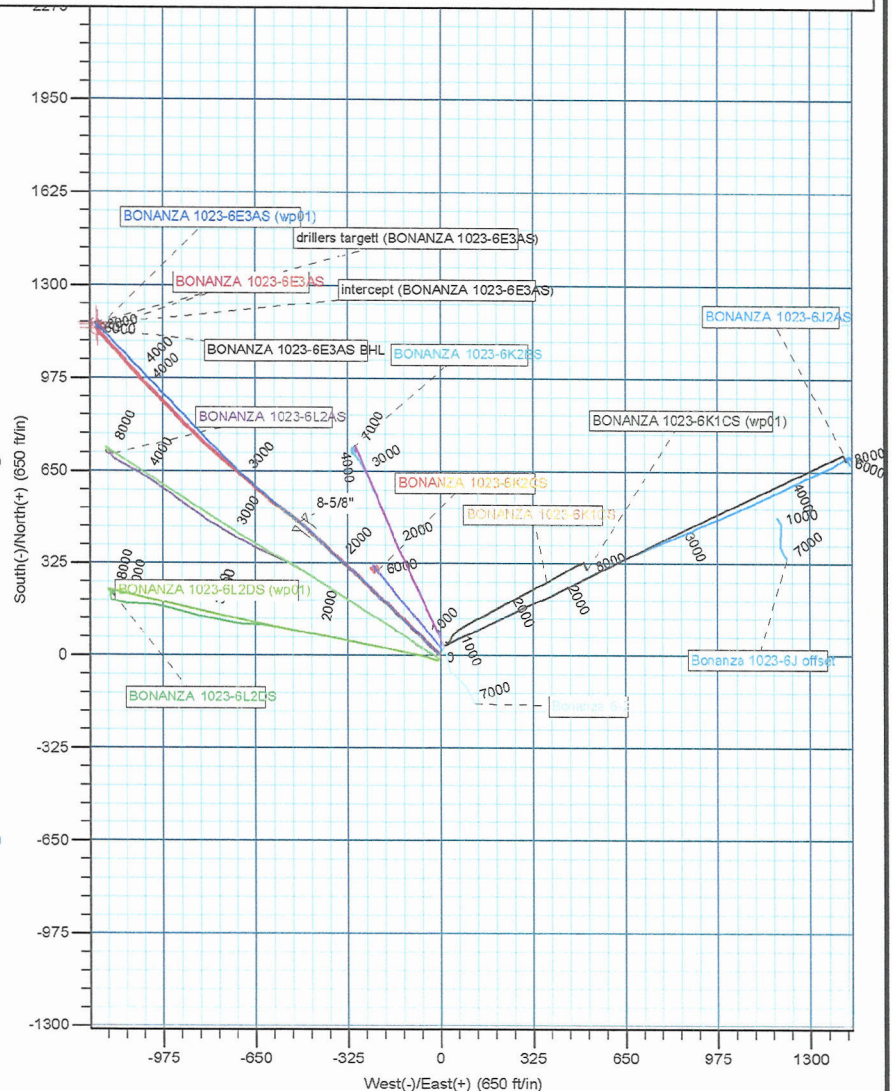
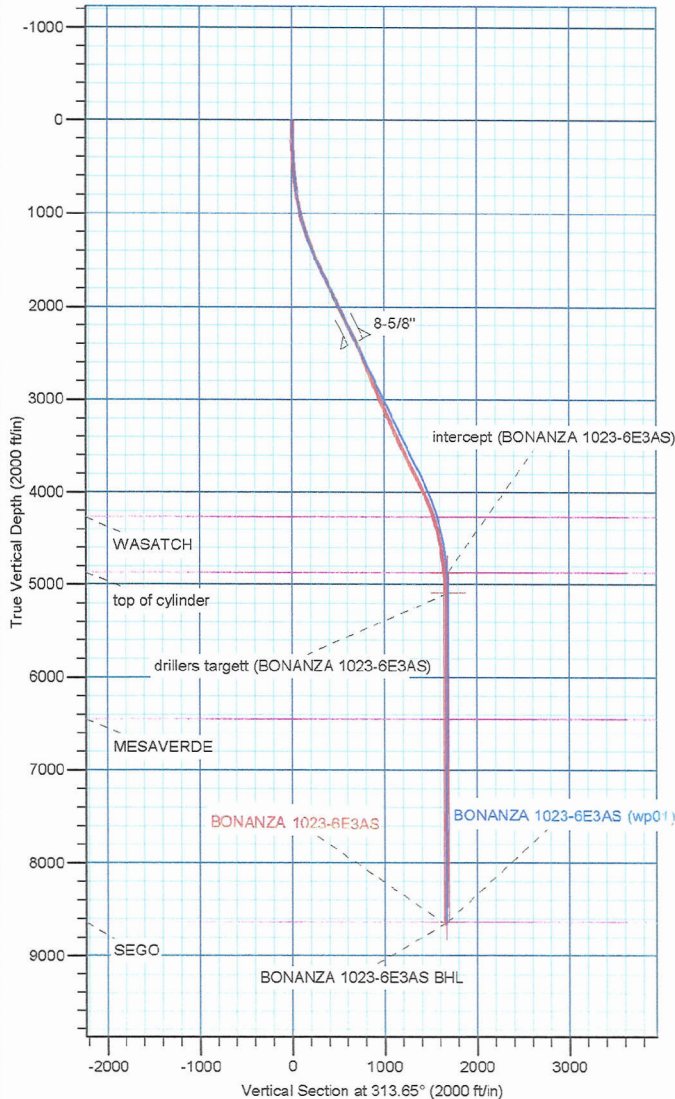
Magnetic Field
Strength: 52249.3snT
Dip Angle: 65.85°
Date: 4/12/2012
Model: IGRF2010

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
intercept (BONANZA 1023-6E3AS)	4874.00	1162.83	-1208.32	14522551.09	2095286.99	39.979033	-109.376336	Point
drillers targett (BONANZA 1023-6E3AS)	5091.50	1168.78	-1214.07	14522556.93	2095281.14	39.979049	-109.376357	Circle (Radius: 15.00)
BONANZA 1023-6E3AS BHL	8639.00	1148.78	-1204.07	14522537.11	2095291.51	39.978994	-109.376321	Circle (Radius: 25.00)

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect
2500.00	25.99	307.95	2367.14	468.36	-494.39	0.00	0.00	681.01
2650.00	25.99	307.95	2501.97	508.78	-546.22	0.00	0.00	746.42
3352.75	25.99	315.97	3133.83	714.26	-774.74	0.50	93.55	1053.60
4133.88	25.99	315.97	3835.95	960.42	-1012.67	0.00	0.00	1395.66
5433.56	0.00	0.00	5091.50	1168.78	-1214.07	2.00	180.00	1685.22
5556.07	0.37	153.43	5214.01	1168.43	-1213.89	0.30	153.43	1684.85
8981.13	0.37	153.43	8639.00	1148.78	-1204.07	0.00	0.00	1664.17



US ROCKIES REGION PLANNING

UTAH - UTM (feet), NAD27, Zone 12N

UINTAH_BONANZA 1023-6K PAD

BONANZA 1023-6E3AS

BONANZA 1023-6E3AS

Design: BONANZA 1023-6E3AS

Standard Survey Report

05 July, 2012

Anadarko Petroleum Corp

Survey Report

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well BONANZA 1023-6E3AS
Project:	UTAH - UTM (feet), NAD27, Zone 12N	TVD Reference:	15' RKB + 5219' GL @ 5234.00ft (Xtreme 12)
Site:	UINTAH_BONANZA 1023-6K PAD	MD Reference:	15' RKB + 5219' GL @ 5234.00ft (Xtreme 12)
Well:	BONANZA 1023-6E3AS	North Reference:	True
Wellbore:	BONANZA 1023-6E3AS	Survey Calculation Method:	Minimum Curvature
Design:	BONANZA 1023-6E3AS	Database:	edmp

Project	UTAH - UTM (feet), NAD27, Zone 12N		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	UINTAH_BONANZA 1023-6K PAD				
Site Position:		Northing:	14,521,392.52 usft	Latitude:	39.975791
From:	Lat/Long	Easting:	2,096,508.54 usft	Longitude:	-109.372053
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	1.05 °

Well	BONANZA 1023-6E3AS					
Well Position	+N/-S	0.00 ft	Northing:	14,521,410.51 usft	Latitude:	39.975840
	+E/-W	0.00 ft	Easting:	2,096,516.34 usft	Longitude:	-109.372024
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,219.00 ft

Wellbore	BONANZA 1023-6E3AS				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	4/12/2012	(°)	(°)	(nT)
			10.91	65.85	52,249

Design	BONANZA 1023-6E3AS				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	6.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	6.00	0.00	0.00	314.02	

Survey Program	Date	7/5/2012		
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
236.00	2,500.00	Survey #1 (BONANZA 1023-6E3AS)	MWD	MWD - STANDARD
2,625.00	8,985.00	Survey #2 (BONANZA 1023-6E3AS)	MWD	MWD - STANDARD

Survey										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn	
Depth	(°)	(°)	Depth	(ft)	(ft)	Section	Rate	Rate	Rate	
(ft)			(ft)			(ft)	(°/100usft)	(°/100usft)	(°/100usft)	
6.00	0.00	0.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	
236.00	0.26	276.62	236.00	0.06	-0.52	0.41	0.11	0.11	0.00	
327.00	2.29	313.97	326.97	1.35	-2.03	2.40	2.30	2.23	41.04	
417.00	2.99	317.92	416.88	4.34	-4.90	6.54	0.80	0.78	4.39	
511.00	4.69	318.09	510.66	9.02	-9.11	12.82	1.81	1.81	0.18	
605.00	6.42	318.63	604.22	15.82	-15.15	21.89	1.84	1.84	0.57	
699.00	7.47	310.37	697.53	23.72	-23.28	33.23	1.54	1.12	-8.79	
793.00	9.15	314.85	790.54	32.95	-33.23	46.80	1.91	1.79	4.77	
888.00	10.73	315.02	884.11	44.54	-44.84	63.19	1.66	1.66	0.18	
981.00	12.75	316.08	975.16	58.05	-58.08	82.11	2.18	2.17	1.14	

Anadarko Petroleum Corp

Survey Report

Company: US ROCKIES REGION PLANNING
Project: UTAH - UTM (feet), NAD27, Zone 12N
Site: UINTAH_BONANZA 1023-6K PAD
Well: BONANZA 1023-6E3AS
Wellbore: BONANZA 1023-6E3AS
Design: BONANZA 1023-6E3AS

Local Co-ordinate Reference: Well BONANZA 1023-6E3AS
TVD Reference: 15' RKB + 5219' GL @ 5234.00ft (Xtreme 12)
MD Reference: 15' RKB + 5219' GL @ 5234.00ft (Xtreme 12)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: edmp

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,074.00	15.18	313.56	1,065.41	73.84	-74.03	104.54	2.69	2.61	-2.71
1,167.00	17.30	312.41	1,154.69	91.56	-93.06	130.54	2.31	2.28	-1.24
1,261.00	19.11	313.17	1,243.98	111.51	-114.60	159.90	1.94	1.93	0.81
1,355.00	20.75	315.02	1,332.35	133.82	-137.60	191.94	1.87	1.74	1.97
1,451.00	22.51	314.41	1,421.59	158.71	-162.75	227.32	1.85	1.83	-0.64
1,545.00	25.15	312.48	1,507.57	184.80	-190.34	265.29	2.93	2.81	-2.05
1,641.00	25.94	311.77	1,594.18	212.56	-221.04	306.66	0.88	0.82	-0.74
1,736.00	26.73	316.78	1,679.33	241.98	-251.18	348.77	2.48	0.83	5.27
1,832.00	26.38	314.41	1,765.21	272.63	-281.20	391.66	1.16	-0.36	-2.47
1,925.00	24.36	309.66	1,849.24	299.34	-310.73	431.46	3.08	-2.17	-5.11
2,020.00	24.97	311.25	1,935.57	325.07	-340.89	471.02	0.95	0.64	1.67
2,114.00	25.76	316.61	2,020.52	353.00	-369.84	511.25	2.58	0.84	5.70
2,208.00	26.91	313.62	2,104.77	382.52	-399.27	552.93	1.87	1.22	-3.18
2,303.00	25.94	311.25	2,189.85	411.05	-430.46	595.18	1.51	-1.02	-2.49
2,398.00	25.76	314.23	2,275.34	439.15	-460.88	636.58	1.38	-0.19	3.14
2,500.00	25.99	307.95	2,367.14	468.36	-494.39	680.98	2.70	0.23	-6.16
TIE ON POINT									
2,625.00	25.04	307.14	2,479.94	501.18	-537.07	734.48	0.81	-0.76	-0.65
2,716.00	23.20	306.91	2,562.99	523.57	-566.76	771.39	2.02	-2.02	-0.25
2,807.00	20.38	309.25	2,647.49	544.36	-593.37	804.97	3.24	-3.10	2.57
2,897.00	20.00	310.44	2,731.96	564.26	-617.22	835.95	0.62	-0.42	1.32
2,988.00	21.44	311.82	2,817.07	585.45	-641.46	868.10	1.67	1.58	1.52
3,079.00	23.50	310.94	2,901.16	608.43	-667.56	902.84	2.29	2.26	-0.97
3,170.00	25.44	311.57	2,983.98	633.29	-695.89	940.49	2.15	2.13	0.69
3,260.00	24.31	310.57	3,065.63	658.16	-724.43	978.30	1.34	-1.26	-1.11
3,351.00	22.69	308.82	3,149.08	681.35	-752.33	1,014.48	1.94	-1.78	-1.92
3,442.00	23.81	310.94	3,232.69	704.39	-779.88	1,050.30	1.54	1.23	2.33
3,533.00	25.06	311.82	3,315.54	729.28	-808.12	1,087.90	1.43	1.37	0.97
3,624.00	25.19	313.07	3,397.93	755.35	-836.63	1,126.52	0.60	0.14	1.37
3,714.00	26.69	313.44	3,478.86	782.33	-865.30	1,165.89	1.68	1.67	0.41
3,805.00	25.75	314.94	3,560.49	810.35	-894.13	1,206.09	1.26	-1.03	1.65
3,896.00	26.69	316.19	3,642.13	839.06	-922.27	1,246.28	1.20	1.03	1.37
3,987.00	25.81	316.07	3,723.74	868.08	-950.17	1,286.50	0.97	-0.97	-0.13
4,077.00	25.69	316.94	3,804.81	896.44	-977.08	1,325.56	0.44	-0.13	0.97
4,168.00	24.25	312.57	3,887.31	923.50	-1,004.31	1,363.94	2.57	-1.58	-4.80
4,259.00	25.94	316.94	3,969.72	950.69	-1,031.67	1,402.51	2.76	1.86	4.80
4,350.00	26.38	319.69	4,051.40	980.65	-1,058.34	1,442.51	1.42	0.48	3.02
4,441.00	22.31	317.44	4,134.30	1,008.80	-1,083.11	1,479.88	4.59	-4.47	-2.47
4,531.00	18.44	317.19	4,218.65	1,031.83	-1,104.34	1,511.16	4.30	-4.30	-0.28
4,622.00	15.69	319.44	4,305.63	1,051.74	-1,122.13	1,537.78	3.11	-3.02	2.47
4,713.00	13.50	318.19	4,393.69	1,069.01	-1,137.21	1,560.63	2.43	-2.41	-1.37
4,804.00	11.88	317.44	4,482.47	1,083.83	-1,150.63	1,580.58	1.79	-1.78	-0.82
4,894.00	10.88	317.19	4,570.70	1,096.88	-1,162.67	1,598.30	1.11	-1.11	-0.28

Anadarko Petroleum Corp

Survey Report

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well BONANZA 1023-6E3AS
Project:	UTAH - UTM (feet), NAD27, Zone 12N	TVD Reference:	15' RKB + 5219' GL @ 5234.00ft (Xtreme 12)
Site:	UINTAH_BONANZA 1023-6K PAD	MD Reference:	15' RKB + 5219' GL @ 5234.00ft (Xtreme 12)
Well:	BONANZA 1023-6E3AS	North Reference:	True
Wellbore:	BONANZA 1023-6E3AS	Survey Calculation Method:	Minimum Curvature
Design:	BONANZA 1023-6E3AS	Database:	edmp

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Buid Rate (°/100usft)	Turn Rate (°/100usft)
4,985.00	9.50	317.94	4,660.26	1,108.76	-1,173.54	1,614.37	1.52	-1.52	0.82
5,076.00	8.38	316.69	4,750.15	1,119.16	-1,183.12	1,628.49	1.25	-1.23	-1.37
5,167.00	6.81	318.19	4,840.35	1,128.00	-1,191.26	1,640.49	1.74	-1.73	1.65
5,258.00	5.75	330.32	4,930.81	1,135.99	-1,197.12	1,650.25	1.86	-1.16	13.33
5,348.00	5.00	335.57	5,020.41	1,143.48	-1,200.97	1,658.23	1.00	-0.83	5.83
5,439.00	4.31	333.07	5,111.11	1,150.13	-1,204.16	1,665.15	0.79	-0.76	-2.75
5,530.00	2.31	345.07	5,201.96	1,154.96	-1,206.18	1,669.95	2.31	-2.20	13.19
5,621.00	0.31	15.69	5,292.93	1,156.97	-1,206.59	1,671.64	2.25	-2.20	33.65
5,712.00	0.19	108.82	5,383.93	1,157.15	-1,206.38	1,671.62	0.41	-0.13	102.34
5,802.00	0.31	129.07	5,473.93	1,156.95	-1,206.05	1,671.24	0.16	0.13	22.50
5,893.00	0.50	158.57	5,564.92	1,156.43	-1,205.71	1,670.64	0.30	0.21	32.42
5,984.00	0.75	168.57	5,655.92	1,155.47	-1,205.45	1,669.78	0.30	0.27	10.99
6,075.00	1.00	170.82	5,746.91	1,154.11	-1,205.20	1,668.66	0.28	0.27	2.47
6,166.00	1.06	182.94	5,837.89	1,152.48	-1,205.12	1,667.47	0.25	0.07	13.32
6,256.00	1.25	182.57	5,927.88	1,150.67	-1,205.21	1,666.27	0.21	0.21	-0.41
6,347.00	1.44	182.19	6,018.85	1,148.54	-1,205.29	1,664.85	0.21	0.21	-0.42
6,438.00	0.25	52.94	6,109.84	1,147.51	-1,205.18	1,664.06	1.77	-1.31	-142.03
6,529.00	0.56	70.32	6,200.84	1,147.78	-1,204.60	1,663.83	0.36	0.34	19.10
6,619.00	1.63	5.94	6,290.82	1,149.20	-1,204.06	1,664.43	1.64	1.19	-71.53
6,710.00	1.94	7.82	6,381.78	1,152.02	-1,203.71	1,666.13	0.35	0.34	2.07
6,801.00	2.56	31.19	6,472.71	1,155.28	-1,202.45	1,667.49	1.20	0.68	25.68
6,892.00	2.44	4.44	6,563.63	1,158.95	-1,201.25	1,669.18	1.28	-0.13	-29.40
6,983.00	1.81	7.44	6,654.56	1,162.31	-1,200.91	1,671.27	0.70	-0.69	3.30
7,074.00	0.88	24.19	6,745.54	1,164.37	-1,200.44	1,672.36	1.10	-1.02	18.41
7,164.00	0.50	56.19	6,835.53	1,165.22	-1,199.83	1,672.52	0.59	-0.42	35.56
7,255.00	0.63	137.32	6,926.53	1,165.07	-1,199.16	1,671.93	0.81	0.14	89.15
7,346.00	1.13	159.19	7,017.52	1,163.87	-1,198.50	1,670.62	0.65	0.55	24.03
7,437.00	1.81	166.69	7,108.49	1,161.63	-1,197.85	1,668.60	0.78	0.75	8.24
7,527.00	0.94	142.19	7,198.46	1,159.66	-1,197.07	1,666.67	1.15	-0.97	-27.22
7,618.00	1.50	134.19	7,289.44	1,158.24	-1,195.76	1,664.74	0.64	0.62	-8.79
7,709.00	1.02	183.85	7,380.42	1,156.60	-1,194.96	1,663.03	1.26	-0.53	54.57
7,799.00	0.38	357.57	7,470.42	1,156.10	-1,195.03	1,662.73	1.55	-0.71	193.02
7,890.00	0.81	300.07	7,561.41	1,156.73	-1,195.60	1,663.57	0.75	0.47	-63.19
7,981.00	1.69	309.94	7,652.39	1,157.91	-1,197.18	1,665.53	0.99	0.97	10.85
8,072.00	1.19	310.94	7,743.36	1,159.39	-1,198.93	1,667.82	0.55	-0.55	1.10
8,163.00	0.56	296.94	7,834.35	1,160.21	-1,200.04	1,669.18	0.73	-0.69	-15.38
8,253.00	0.25	225.32	7,924.35	1,160.27	-1,200.57	1,669.61	0.60	-0.34	-79.58
8,344.00	0.44	161.94	8,015.35	1,159.80	-1,200.60	1,669.31	0.44	0.21	-69.65
8,435.00	0.63	141.07	8,106.34	1,159.08	-1,200.18	1,668.50	0.30	0.21	-22.93
8,526.00	1.25	127.44	8,197.33	1,158.09	-1,199.08	1,667.02	0.72	0.68	-14.98
8,616.00	1.50	128.69	8,287.30	1,156.75	-1,197.38	1,664.87	0.28	0.28	1.39
8,707.00	1.81	130.94	8,378.27	1,155.07	-1,195.36	1,662.25	0.35	0.34	2.47
8,798.00	2.00	124.44	8,469.22	1,153.23	-1,192.97	1,659.25	0.32	0.21	-7.14

Anadarko Petroleum Corp

Survey Report

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well BONANZA 1023-6E3AS
Project:	UTAH - UTM (feet), NAD27, Zone 12N	TVD Reference:	15' RKB + 5219' GL @ 5234.00ft (Xtreme 12)
Site:	UINTAH_BONANZA 1023-6K PAD	MD Reference:	15' RKB + 5219' GL @ 5234.00ft (Xtreme 12)
Well:	BONANZA 1023-6E3AS	North Reference:	True
Wellbore:	BONANZA 1023-6E3AS	Survey Calculation Method:	Minimum Curvature
Design:	BONANZA 1023-6E3AS	Database:	edmp

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,935.00	1.08	151.54	8,606.17	1,150.74	-1,190.38	1,655.66	0.84	-0.67	19.78
LAST MWD SURVEY									
8,985.00	1.08	151.54	8,656.16	1,149.91	-1,189.93	1,654.76	0.00	0.00	0.00

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
2,500.00	2,367.14	468.36	-494.39	TIE ON POINT
8,935.00	8,606.17	1,150.74	-1,190.38	LAST MWD SURVEY

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------